											FORM 3	
					MENT OF N	OF UTAH ATURAL RESO				AMENDED F	_	*
				DIVISI	ON OF OIL,	, GAS AND MII	NING					_
		APPLI	CATION FOR	PERMIT TO D	RILL			1. WELL	NAME and I GORDOI	NUMBER N CREEK ST S	W-7-14-8	
2. TYPE O		LL NEW WELL	REENTER P&	A WELL 💮 🗆	DEEPEN WEL	١.		3. FIELD	OR WILDC	<b>AT</b> JNDESIGNATI	ĒD	
4. TYPE O	F WELL	Gas We	ell Coalb	ed Methane Well:	: NO			5. UNIT	or COMMUN	ITIZATION	AGREEMEI	NT NAME
6. NAME C	F OPERATOR		GORDON CF	REEK, LLC				7. OPER	ATOR PHON	<b>E</b> 403 453-160	8	
8. ADDRES	SS OF OPERATO		79 E Main #345,	Price, UT, 84501				9. OPER	ATOR E-MAI rironside(	<b>L</b> @thunderbird	energy.com	1
	RAL LEASE NUM , INDIAN, OR S			11. MINERAL (	OWNERSHIF INDIAN	n	FEE (	12. SUR FEDERA	FACE OWNE		ТАТЕ 📵	FEE 💮
13. NAME		WNER (if box 12		of Wildlife Resour	rces			14. SUR	FACE OWNE	R PHONE (if 801-538-486		'fee')
15. ADDR	ESS OF SURFAC	E OWNER (if box	12 = 'fee')	ple, Suite 2110, ,				16. SUR	FACE OWNE		box 12 =	'fee')
	N ALLOTTEE O				COMMING	LE PRODUCTIO	N FROM	19. SLA			. 5.	
(if box 12	= 'INDIAN')					gling Application	n) NO 📵	VERTICA	L DIRE	CTIONAL	) HORIZ	ONTAL 🛑
20. LOCA	TION OF WELL		FO	OTAGES	Q.	TR-QTR	SECTION	TO	WNSHIP	RANGE	N	1ERIDIAN
LOCATIO	N AT SURFACE		833 FSI	L 2011 FWL		SESW	7	1	4.0 S	8.0 E		S
Top of Up	permost Produ	ıcing Zone	833 FSI	L 2011 FWL		SESW	7	1	4.0 S	8.0 E		S
At Total I	Depth		833 FSI	L 2011 FWL		SESW	7	1	4.0 S	8.0 E		S
21. COUN		ARBON		22. DISTANCE	TO NEARES	T LEASE LINE	(Feet)	23. NUM	IBER OF ACR	RES IN DRIL	LING UNIT	Г
				25. DISTANCE (Applied For D	rilling or Co	T WELL IN SAM Ompleted) 395	ME POOL	26. PRO	POSED DEPT	<b>TH</b> 4161 TVD	: 4161	
27. ELEVA	TION - GROUN	D LEVEL		28. BOND NUM	1BER				RCE OF DRI			PPLTCABLE
		7529		II do Coa		0 <mark>107</mark> 90				91-5193		
String	Hole Size	Casing Size	Length	Weight		ement Infor & Thread	Max Mu	d Wt.	Cement	Sacks	Yield	Weight
SURF	11	8.625	0 - 450	24.0		asing/Tubing	8.7		Class G	212	1.142	15.84
PROD	7.875	5.5	0 - 4161	17.0	N-8	80 LT&C	10.	0	Class G	362	2.69	10.7
					ATTACI	HMENTS						
	VERIFY TH	E FOLLOWING	ARE ATTACH	ED IN ACCOR	DANCE W	ITH THE UTA	H OIL AND	GAS COI	NSERVATIO	ON GENERA	AL RULES	5
<b>⊯</b> WE	LL PLAT OR MA	AP PREPARED BY	LICENSED SUR	VEYOR OR ENG	INEER	<b>№</b> СОМРЬ	ETE DRILLING	6 PLAN				
AFF	IDAVIT OF STA	TUS OF SURFACE	OWNER AGRE	EMENT (IF FEE	SURFACE)	FORM 5	5. IF OPERATO	R IS OTH	ER THAN TH	E LEASE OW	NER	
DIR DIR		EVEY PLAN (IF DI	RECTIONALLY	OR HORIZONTA	ALLY	<b>Г</b> ТОРОБ	RAPHICAL MA	P				
NAME Ba	rry Brumwell		TITLE V	ice President-Ope	erations		PHONE 403	3 453-160	8			
SIGNATU	RE		DATE 09	9/20/2011			EMAIL bbr	umwell@tl	nunderbirdene	ergy.com		
	ber assigned 075024200		APPROV	/AL			Boll	seil)	l			
							Permit	Manager				

#### **DRILLING PLAN and PROGRAM**

Attached to UDOGM Form 3

#### **GORDON CREEK, LLC.**

SW-7-14-8

832.53' FSL & 2,010.67' FWL SE/4 of SW/4 of Section 7-14S-8E Carbon County, Utah

\*\* NOTE: AN APD FOR THIS WELL WAS APPLIED FOR AND APPROVED ON APRIL 19<sup>th</sup>, 2007 AND GRANTED AN API # OF 43-007-31232. THE LOCATION WAS CONSTRUCTED BUT THE WELL WAS NEVER DRILLED AND THAT APPLICATION HAS EXPIRED. <u>THIS APPLICATION IS AN UPDATE TO THE EXPIRED APPLICATION</u>.

#### 1. SURFACE GEOLOGIC FORMATION

Emery Sandstone Member of the Mancos Shale

#### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Mancos Blue Gate Shale top: 1,787' KB Lower Blue Gate Bentonite Marker: 3,556' KB Ferron SS: 3,691' KB

#### 3. PROJECTED GAS & H<sub>2</sub>0 ZONES

While no groundwater is expected to be encountered, groundwater *may* be encountered within the Emery Sandstone Member of the Mancos Shale. Any water encountered will be reported on a Form 7 "Report of Water Encountered During Drilling". All indications of usable water will be reported.

Casing & cementing will be done to protect potentially productive hydrocarbons, lost circulation zones, abnormal pressure zones and prospectively valuable mineral deposits.

Surface casing will be tested to 500 psi and the Production casing will be tested to 1,500 psi, with a minimum of 1 psi/ft of the last casing string setting depth.

#### 4. PROPOSED CASING AND CEMENTING PROGRAMS

Refer to EXHIBIT "A" for casing design information

#### A. CASING PROGRAM

HOLE SIZE (in)	CASING SIZE (in)	WEIGHT (#/ft)	GRADE	JOINT	DEPTH SET (ft)
17	12 <sup>3</sup> / <sub>4</sub>	40.5	H-40	ST&C	0 – 40
11	8 <sup>5</sup> / <sub>8</sub>	24.00	J-55	ST&C	0 – 450
7 <sup>7</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>2</sub>	17.00	N-80	LT&C	0 – 4,161

#### **B. CEMENTING PROGRAM**

The 8  $^5/_8$ " surface casing will be set and cemented full length with approximately 212 sacks of 0-1-0 Class "G" cement + 2% CaCl<sub>2</sub> + 0.25 #/sk of cellophane flakes mixed at 15.84 ppg (yield = 1.142 ft<sup>3</sup>/sk); volume based on nominal hole size + 100% excess. The cement will be circulated back to surface. In the event that the cement is not circulated back to surface, a 1" top out job will be performed with 0-1-0 Class "G" cement + 2% CaCl<sub>2</sub> + 0.25 #/sk of cellophane flakes mixed at 15.84 ppg (yield = 1.142 ft<sup>3</sup>/sk).

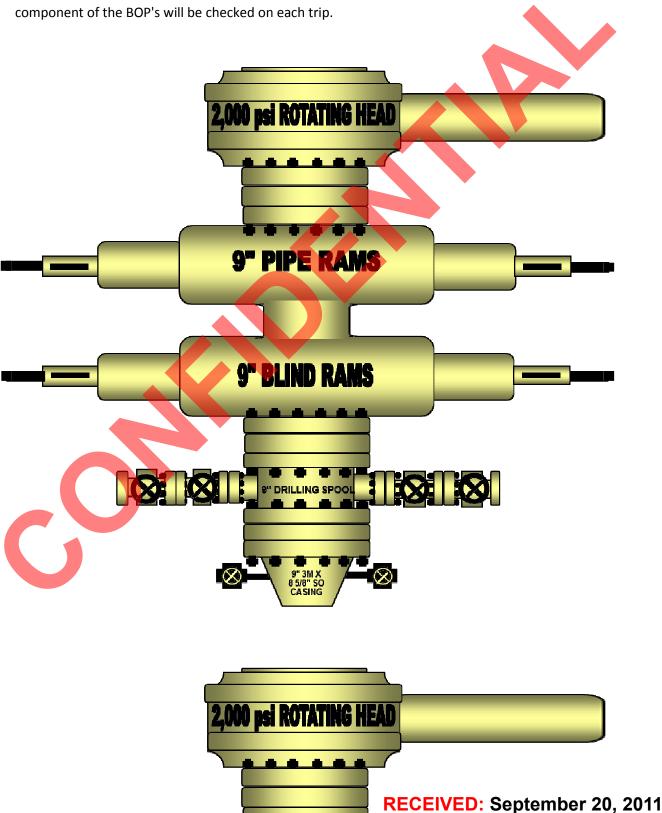
The 5 ½" production casing will be set and cemented full length using 362 sx of 0-1-0 "G" Light Weight cement incorporating 42% "SuperBall" centrospheres to lighten the cement density + 3% NaCl, 0.3% Air-out, 1.5% SFl-300, 0.2% SCR-2. The cement will be mixed at 10.7 ppg (yield = 2.69 ft3/sk); volume based on nominal hole size + 35% excess. The cement will be circulated back to surface.

#### THE FOLLOWING SHALL BE ENTERED INTO THE DRILLER'S LOG:

- I. Blowout preventer pressure tests, including test pressures and results;
- II. Blowout preventer tests for proper functioning;
- III. Blowout prevention drills conducted;
- IV. Casing run, including size, grade, weight, and depth set;
- V. How the pipe was cemented, including amount of cement, type, whether cement was circulated back to surface, location of the cementing tools, etc.;
- VI. Waiting on cement time for each casing string;
- VII. Casing pressure tests after cementing, including test pressures and results.

#### 5. THE OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Below is a schematic diagram of the blowout preventer equipment requirements for this drilling operation. A 9' X 3,000 psi double gate BOP will be used with a 2,000 psi Rotating Head utilized for air drilling operations. ALL BOPE will be pressure tested to the required operating pressures of each component. All tests will be recorded in the Driller's Report Book. The physical operation of each component of the BOP's will be checked on each trip.





# 3,000 psi AIR DRILLING BOP STACK

#### 6. THE TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING FLUIDS / MUDS

0' – 450' 11" Surface Hole Drill with air, will mud-up if necessary. 450' – TMD  $7^{7}/_{8}$ " Main Hole Drill with air, 500 psi @ 1500-2300 ft<sup>3</sup>/min

Will "mud up" at Total Depth to run logs and casing. Will mud up sooner if hole conditions dictate. It is anticipated that drilling fluid densities of 8.3 – 8.7 #/gal will be utilized when "mudded up".

#### 7. THE TESTING, LOGGING AND CORING PROGRAMS

Open hole logs consisting of a CNL-LDT-GR-GAL will be run from above the Blue Gate Shale to TMD. A DIL-GR-SP log will be run from TMD to surface.

#### ANY ANTICIPATED ABNORMAL PRESSURES or TEMPURATURES

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is approximately 1250 psi maximum. No hydrogen sulfide or other hazardous gases or fluids have been found, reported or are known to exist at these depths in the area.

#### 8. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

The well will be drilled between late September and the end of November, 2011. Verbal and/or written notifications listed below shall be submitted in accordance with instructions from the Division of Oil, Gas & Mining:

- a) prior to beginning construction;
- b) prior to spudding;
- c) prior to running any casing or BOP tests;
- d) prior to plugging the well, for verbal plugging instructions.

Spills, blowouts, fires, leaks, accidents or other unusual occurrences shall IMMEDIATELY be reported to the Division of Oil, Gas & Mining.

#### **EXHIBIT "A"**

# CASING DESIGN GORDON CREEK ST SW-7-14-8 PROJECTED TD: 4,161' KB

# **SURFACE CASING (0' - 450')**

Diameter 8 5/8"

Interval 450' to Surface

Weight 24 #/ft Grade J-55 Coupling ST&C

#### **Burst Design**

The recommended practice is to base on the burst rating of the casing string in psi to be at least numerically equal to 0.225 psi/ft times the setting depth in feet of the next casing string. The rating chosen was also intended to match the BOPE pressure rating and exceed the highest possible surface pressure of approximately 936 psig.

Burst required = 0.225 x 4,161 936 psig

Burst rating of casing string: 2,950 psi

Safety factor = 2,950 psi / 825 psi = 3.15

#### Collapse Design

Collapse pressure is negligible on this surface string.

#### Tension Design

String weight in air 10,800 #
Tensile strength of joint 244,000 lbf
Safety factor of joint 22.6

### PRODUCTION CASING (0' - 4,161')

Diameter 5 ½"

Interval 4,161' to surface

Weight 17 #/ft
Grade N-80
Coupling LT&C

#### **Burst Design**

An internal pressure gradient of 0.4863 psi/ft has been used as a basis for these calculations.

Burst rating of casing string: 7,740 psi

Burst rating required: 4,161' X 0.4863 = 2,023 psig

Safety factor = 7,740 psi / 2,023 psi = 3.83

#### **Tension Design**

1.6 Safety factor of top joint, neglecting buoyancy and without over pull.

Tensile rating of casing joint: 348,000 lbf

String Weight: 4,161' X 17 #/ft = 70,737 lbf

Safety factor = 348,000 lbf / 70,737 lbf = 4.91

#### Collapse Design

Maximum anticipated mud weight is 10.0 ppg based on a mud gradient of 0.53 psi/ft.

Collapse rating of csg string: 6,280 psi

Collapse rating required:  $4,161' \times 0.53 \text{ psi/ft} = 2,205 \text{ psi}$ Safety factor = 6,280 psi / 2,205 psi = 2.85

#### Production Casing Design

Interval	Weight	Grade	S.F.	S.F.	S.F.
(ft)	(#/ft)		Burst	Collapse	Tension
3.669' – 0'	17	N-80	3.83	4.91	2.85

#### **MULTI-POINT SURFACE USE PLAN**

Attached to UDOGM Form 3

#### **GORDON CREEK, LLC.**

SW-7-14-8

832.53' FSL & 2,010.67' FWL SE/4 of SW/4 of Section 7-14S-8E Carbon County, Utah

#### 1. EXISTING ROADS

- a. We do not plan to change, alter or improve upon ANY existing State or County roads.
- b. Existing roads will be maintained in the same or better condition.

#### 2. PLANNED ACCESS

- a. No new access is required, as this well was previously permitted and the access and location were built in accordance with that permit. The current route will be re-conditioned to ensure adequate access.
- b. If the well is productive, the road will be maintained as necessary to prevent soil erosion and maintain year-round traffic. However, we may allow the access road to be gated and closed off during winter production operations and access the site with a snowmobile or other winter ATV.
- c. Maximum Width: 24' travel surface with 27' base.
- d. Maximum grade: 25%
- e. Road culverts may be required. Surface water will be diverted around the well pad as necessary.
- f. Any power lines and or pipelines to/from the well will follow the proposed access route.

#### 3. LOCATION OF EXISTING WELLS

a. As shown on the Civil Location Survey Plat for the well.

#### 4. **LOCATION OF EXISTING and/or PROPOSED FACILITIES**

- a. If the well is a producer, installation of required production facilities will follow the drilling and completion phase of well operations. Buried flow lines, water lines and electrical cable will follow the proposed access road and other existing access ROWs to the intersection with Thunderbird's main 12' pipeline corridor.
- b. Rehabilitation of all pad areas not used for production facilities will be made in accordance with landowner stipulations.

#### 5. LOCATION AND TYPE OF WATER SUPPLY

- a. All water to be used for drilling operations will be obtained from area water wells drilled and owned by Gordon Creek, LLC.
- b. Water will be transported to location by truck over approved access roads.

#### 6. SOURCE OF CONSTRUCTION MATERIALS

- a. Any necessary construction materials needed will be obtained locally from a private source and hauled to the location on existing roads.
- b. No construction or surfacing materials will be taken from Federal / Indian lands.

#### 7. METHODS FOR HANDLING WASTE DISPOSAL

- a. As the well is expected to be air drilled, a small reserve pit will be constructed with a minimum of one-half the total depth below the original ground surface on the lowest point within the pit. The pit will not be lined unless conditions encountered during construction warrant it or if deemed necessary by the DOGM Representative during pre-site inspection. Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operations cease with four strands of barbed wire, or woven wire topped with barbed wire to a height of not less than four feet. The fence will be kept in good repair while the pit is drying.
- b. Following drilling, the liquid waste will be evaporated from the pit and the pit backfilled and returned to natural grade. No liquid hydrocarbons will be discharged to the reserve pit or location.
- c. In the event that wellbore fluids are produced, any oil will be retained in tanks until sold and any water produced will be retained until its quality can be determined. The quality and quantity of the water will determine the method of disposal.
- d. Trash will be contained in a portable metal container and will be hauled from location periodically and disposed of at an approved disposal site. Chemical toilets will be placed on location and sewage will be disposed of at an appropriate disposal site.

#### 8. ANCILLARY FACILITIES

a. We anticipate no need for ancillary facilities with the exception of a trailer to be located on the drill site.

#### 9. WELLSITE LAYOUT

- Gordon Creek, LLC. has reduced to surface lease size (area stripped and levelled) for this
  location to the smallest lease size possible to accommodate the required drilling rig and support
  equipment.
- b. Any available topsoil will be removed from the location and stockpiled. The location of the rig, mud tanks, reserve and berm pits and all other drilling support equipment will be located as per common oilfield rig layouts.
- b. A blooie pit will be located 100' from the drill hole. A line will be placed on the surface from the center hole to the blooie pit. The blooie pit will not be lined, but will be fenced on four sides to protect livestock/wildlife.
- c. Access to the well pad will be as shown on the Civil Location Survey Plat for the well.
- d. Natural runoff will be diverted around the well pad.

#### 10. PLANS FOR RESTORATION OF SURFACE

- a. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to minimize possible erosion.
- b. Available topsoil will be stockpiled and will be evenly distributed over the disturbed areas and the area will be reseeded as prescribed by the landowner.
- c. Pits and any other area that would present a hazard to wildlife or livestock will be fenced off when the rig is released and removed.
- d. Rehabilitation will commence following completion of the well. Rat and mouse holes will be filled in immediately upon release of the drilling rig from the location. If the well site is to be abandoned, all disturbed areas will be re-contoured to the natural terrain found prior to location construction.

#### 11. SURFACE OWNERSHIP

a. The well site and access road are on and across lands originally owned through the State of Utah School and Institutional Trust Lands Administration and covered by Surface Use Agreement # ML-46537. *Under this Surface Use Agreement AND the original APD Approval, this well location and access road were constructed and remain in a rig-ready state.* Since the expiration of the original APD for this well, ownership of these lands have since been transferred to the State of Utah Department of Natural Resources, Division of Wildlife Resources, 1594 W. North Temple, Suite 2110, P.O. Box 146301, Salt Lake City, Utah, 84114-6301. The operator shall contact the landowner and the Division of Oil, Gas and Mining 48 hours prior to beginning construction activities.

#### 12. OTHER INFORMATION

- a. The primary surface use is wildlife habitat. The nearest dwelling is approximately 12 Miles east (Price, Utah). The nearest live water is an unnamed natural spring located approximately ½ Mile East of the proposed well location.
- b. If there is snow on the ground when construction begins, it will be removed before the soil is disturbed and piled downhill from the topsoil stockpile location.
- c. The back-slope and fore-slope will be constructed no steeper than 4:1.
- d. All equipment and vehicles will be confined to the access road and well pad.
- A complete copy of the approved Application for Permit to Drill (APD,) including all conditions
  and stipulations shall be on the well-site during construction and drilling operations.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the Division of Oil, Gas & Mining.

#### 13. COMPANY REPRESENTATIVE

Barry Brumwell, C.E.T.

Vice President, Operations
Gordon Creek LLC., a wholly owned subsidiary of
Thunderbird Energy Corp.

#550, 1010 – 1<sup>st</sup> Street S.W.

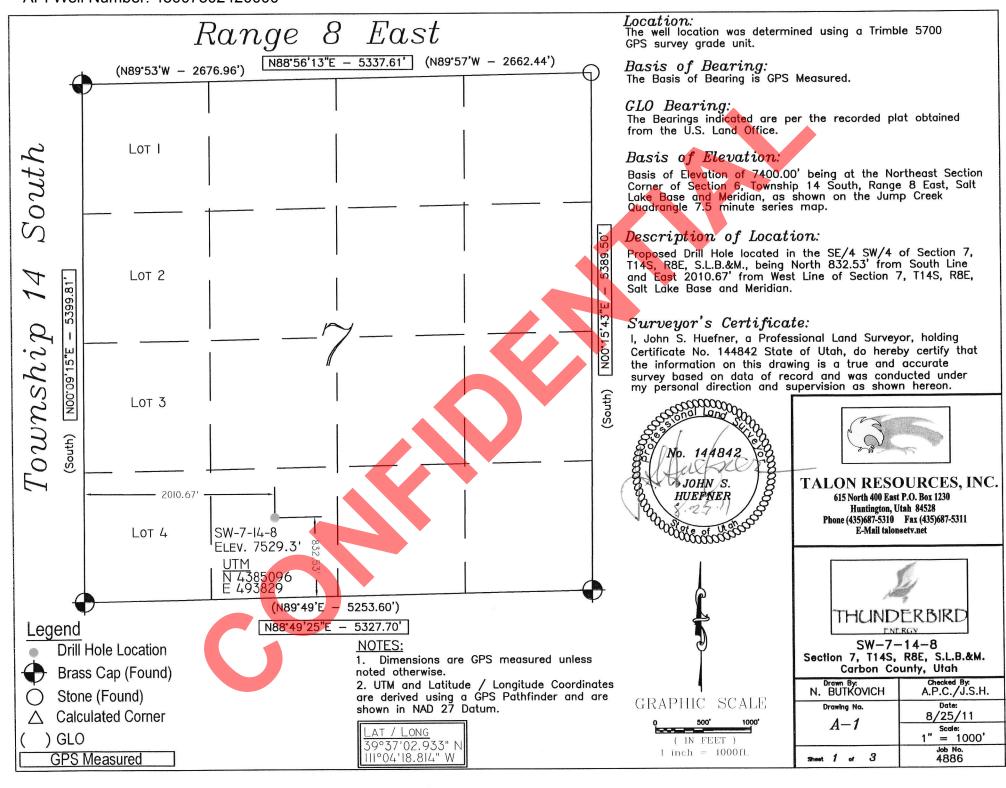
Calgary, Alberta, Canada
(403) 453-1608 (office)
(403) 818-0696 (mobile)

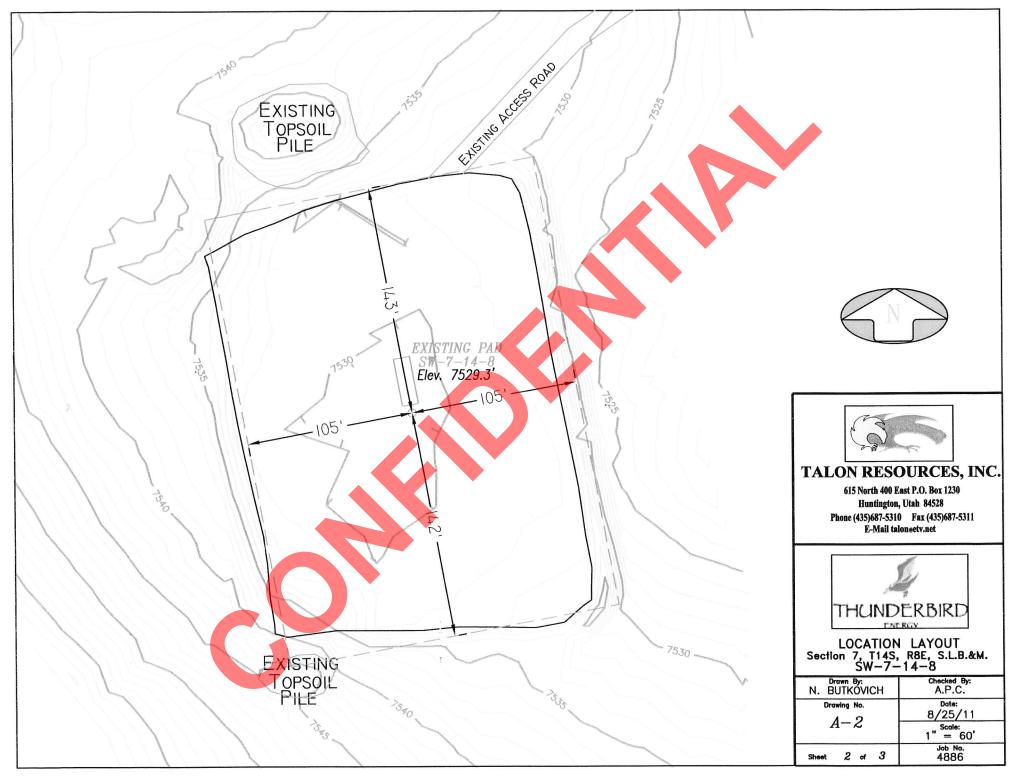
bbrumwell@thunderbirdenergy.com

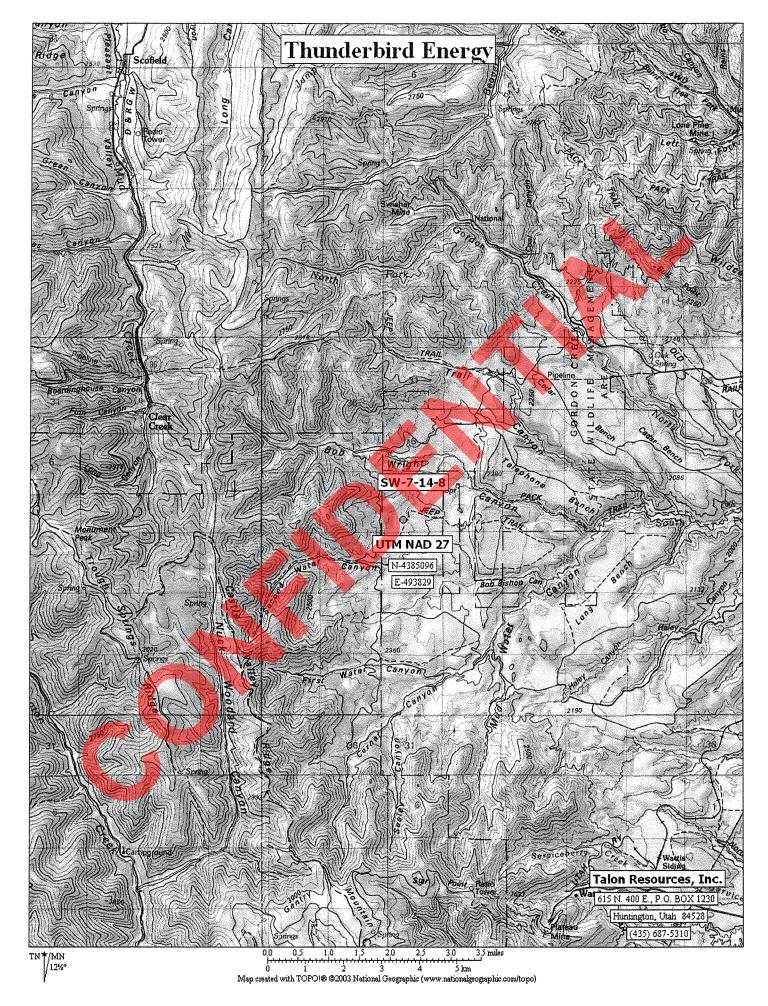
#### 14. CERTIFICATION

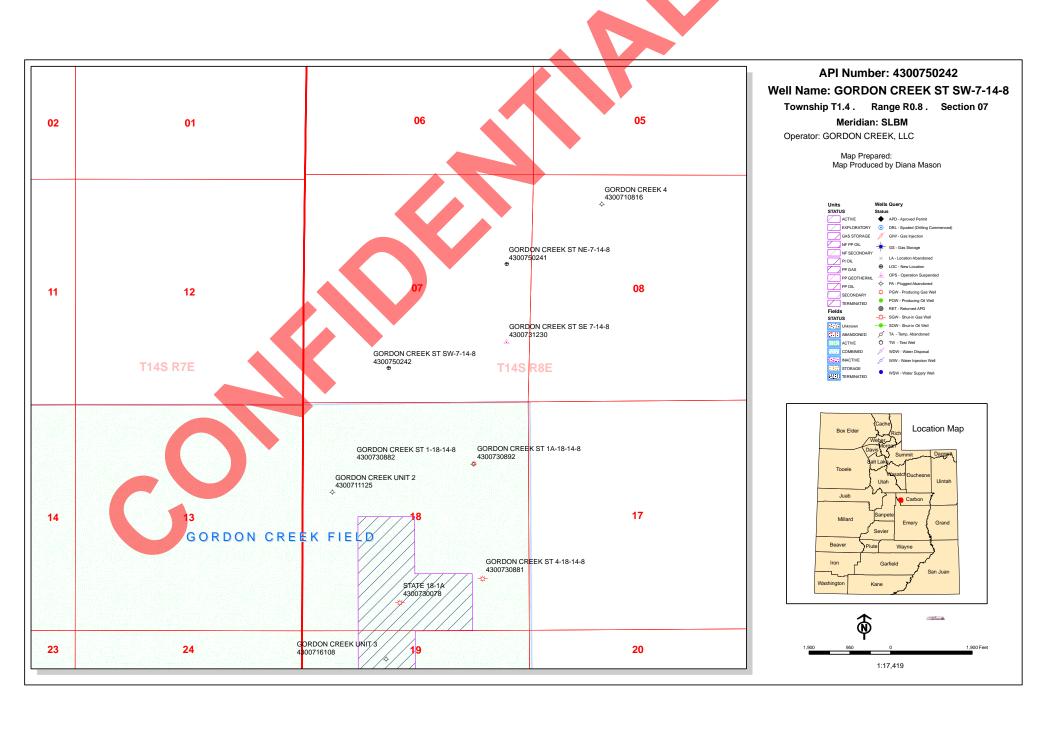
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by Gordon Creek, LLC. and its subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE	Barry Brumwell, C.E.T.
	Vice President, Operations
	Gordon Crook IIC / Thundarhird Engray Inc









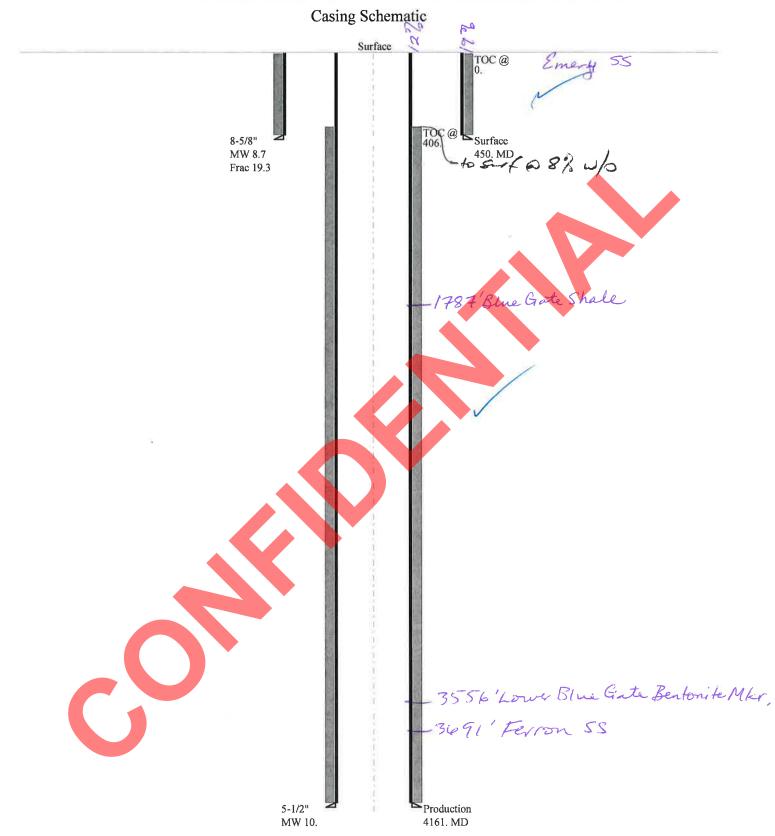
#### BOPE REVIEW GORDON CREEK, LLC GORDON CREEK ST SW-7-14-8 43007502420000

Two may							_		
Well Name		GORDON CR	REE	K, LLC GOF	RDC	ON CREEK ST	SI	N-7-14-8 430(	
String		SURF		PROD	Ш		1		
Casing Size(")		8.625	5	5.500					
Setting Depth (TVD)		450	4	161					
Previous Shoe Setting Dept	th (TVD)	0	4	150			Ī		
Max Mud Weight (ppg)		8.7	1	0.0			Ī		
BOPE Proposed (psi)		500	3	3000	i		Ī		
Casing Internal Yield (psi)		2950	7	740			Ť		
Operators Max Anticipate	d Pressure (psi)	1700	7	7.9	i		j		
Calculations	SUR	F String				8.62	25	"	
Max BHP (psi)		.052*Setti	ing	Depth*M	W	204	ī		
						<u>'</u>	_	BOPE Adeq	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max	x BHP-(0.12*	*Set	tting Dept	th)=	150	╗	YES	air drill
MASP (Gas/Mud) (psi)	Max	x BHP-(0.22*	*Set	tting Dept	th)=	105	Ħ	YES	OK
						1	_	-	xpected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previou	us S	Shoe Dept	th)=	105	=		OK
Required Casing/BOPE Te	est Pressure=					450	Ħ	psi	
*Max Pressure Allowed @ Previous Casing Shoe=					_	0			mes 1psi/ft frac gradient
					_	110	믝	Per	- partition granted
Calculations	PRO	D String				5.50	00	"	
Max BHP (psi)		.052*Setti	ing	Depth*M	W	2164			
								BOPE Adeq	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max	x BHP-(0.12*	*Set	tting Dept	th)=	1665		YES	air drill
MASP (Gas/Mud) (psi)	Max	x BHP-(0.22*	*Set	tting Dept	th)=	1249	ī	YES	OK
								*Can Full E	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previo	us S	Shoe Dept	th)	1348		NO	Reasonable
Required Casing/BOPE Te	est Pressure=					3000	ī	psi	
*Max Pressure Allowed @	Previous Casing Shoe=					450	Ŧ	psi *Assuı	mes 1psi/ft frac gradient
						Į.	=		
Calculations	S	tring						"	
Max BHP (psi)		.052*Setti	ing	Depth*M	W	=			
								BOPE Adeq	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max	x BHP-(0.12*	*Set	tting Dept	th)=		╝	NO	
MASP (Gas/Mud) (psi)	Max	x BHP-(0.22*	*Set	tting Dept	th)=	=		NO	
								*Can Full E	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previou	us S	Shoe Dept	th)=			NO	
Required Casing/BOPE To	est Pressure=							psi	
*Max Pressure Allowed @	Previous Casing Shoe=							psi *Assur	mes 1psi/ft frac gradient
Calculations	s	tring						"	
Max BHP (psi)		.052*Setti	ing	Depth*M	W		=		
							_	BOPE Adeq	quate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max	x BHP-(0.12*	*Set	tting Dept	th)=	-	╗	NO	i
MASP (Gas/Mud) (psi)	Max	x BHP-(0.22*	*Set	tting Dept	th)=	=	Ħ	NO	i
		\ <u>-</u>		2 -F		l-	_	<u> </u>	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting D	epth - Previo	us S	Shoe Dept	th)=	1	=	NO I	1
Required Casing/BOPE Te					_	<u> </u>	╡	psi	
Taxquire Casing/DOLE 16	.s. 1 1 Cssul C-					_[!	Ц	Poi	

\*Max Pressure Allowed @ Previous Casing Shoe= psi \*Assumes 1psi/ft frac gradient



43007502420000 GORDON CREEK ST SW-7-14-8



Well name: 43007502420000 GORDON CREEK ST SW-7-14-8

Operator: GORDON CREEK, LLC

String type: Surface Project ID: 43-007-50242

Location: CARBON COUNTY

Design parameters: Minimum design factors: Environment:

Collapse: H2S considered?

Mud weight: 8.700 ppg Design factor 1.125 Surface temperature: 74 °F

Design is based on evacuated pipe. Bottom hole temperature: 80 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 100 ft

Cement top:

Burst:

Design factor

Max anticipated surface

pressure: 396 psi Internal gradient: 0.120 psi/ft

Calculated BHP 450 psi

No backup mud specified.

Tension:
8 Round STC:
Non-directional string.

1.00

8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 391 ft

Re subsequent strings:

Next setting depth:
Next mud weight:
Next setting BHP:
Practure mud wt:
Injection pressure:

4,161 ft
10.000 ppg
2,162 psi
19.250 ppg
450 ft
450 psi

No

Surface

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)
1	450	8.625	24.00	J-55	ST&C	450	450	7.972	2317
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
•	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
1	203	1370	6.736	450	2950	6.56	10.8	244	22.59 J

Prepared Helen Sadik-Macdonald by: Div of Oil,Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: October 5,2011 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 450 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43007502420000 GORDON CREEK ST SW-7-14-8

Operator:

**GORDON CREEK, LLC** 

String type:

Production

Project ID: 43-007-50242

Location:

**CARBON** 

COUNTY

**Environment:** 

Collapse

Mud weight:

Design parameters:

10.000 ppg Design is based on evacuated pipe.

Minimum design factors: Collapse:

Design factor 1.125 H2S considered?

Surface temperature:

No 74 °F

Bottom hole temperature: Temperature gradient:

132 °F

Minimum section length:

1.40 °F/100ft 100 ft

**Burst:** 

Tension:

8 Round STC:

8 Round LTC:

Design factor

1.00

Cement top:

Load

(kips)

70.7

406 ft

**Burst** 

Seq

1

Max anticipated surface

No backup mud specified.

Load

(psi)

2162

pressure: Internal gradient: Calculated BHP

1,246 psi 0.220 psi/ft

2,162 psi

Design

**Factor** 

2.910

Buttress: Premium:

Body yield:

Load

(psi)

2162

1.60 (J) 1.50 (J) 1.60 (B)

1.80 (J)

1.80 (J)

Design

**Factor** 

3.58

Tension is based on air weight. Neutral point: 3,530 ft Non-directional string.

Run Segment Nominal End True Vert Measured Drift Est. Length Size Weight Depth Depth Diameter Cost Seq **Grade** Finish (lbs/ft) (ft) (in) (ft) (ft) (in) (\$) 4.767 23453 5.5 17.00 N-80 LT&C 4161 4161 1 4161 Collapse **Tension** Run Collapse Collapse Burst Burst Burst **Tension Tension** 

Strength

(psi)

7740

Strength

(psi)

6290

Prepared

by:

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: October 5,2011 Salt Lake City, Utah

Strength

(kips)

348

Design

**Factor** 

4.92 J

Remarks:

Collapse is based on a vertical depth of 4161 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# **ON-SITE PREDRILL EVALUATION**

# Utah Division of Oil, Gas and Mining

Operator GORDON CREEK, LLC

Well Name GORDON CREEK ST SW-7-14-8

API Number 43007502420000 APD No 4671 Field/Unit UNDESIGNATED

Location: 1/4,1/4 SESW Sec 7 Tw 14.0S Rng 8.0E 833 FSL 2011 FWL

GPS Coord (UTM) Surface Owner State of Utah Division of Wildlife Resources

#### **Participants**

M. Jones (UDOGM), Barry Brumwell, Steve Lessar (Tbird), A. Childs, E. Bonner (SITLA), N. Nielson (DWR).

#### Regional/Local Setting & Topography

This proposed new wellbore is planned on previously disturbed surface. The site is in the upper Gordon Creek area of Carbon County, Utah. Topography changes dramatically in the area. The exact location of the well pad is sloped to the east. A well pad was originally permitted at this site and has had the permitt recinded due to inactivity. The surface has since changed ownership from SITLA to DWR. This posses issues to surface use agreements. Thunderbird and DWR are currently in negotiations in regards to surface use agreements. An ammendment to the surface use agreement that SITLA had is being drafted and hoped to have signitures in place by the end of this week to the first of next week. Both parties are in cooperation at this point. The pad is constructed and there are no plans to disturb the surface beyond the existing disturbances. Pits were reclaimed awhile back and at this point a central pit for multiple wells is planned at a different location from this pad. The cuttings will be contained on this location inside portable metal tanks. The cuttings will be trucked from the tanks to the central pit for more permanent storage and disposal. Drainages should be diverted and maintained. Berms should be maintained to contain spills on location.

#### Surface Use Plan

**Current Surface Use** 

Wildlfe Habitat Existing Well Pad

New Road
Miles

Well Pad

Src Const Material

Surface Formation

0 Width 210 Length 285 Onsite

**Ancillary Facilities** 

#### Waste Management Plan Adequate?

#### **Environmental Parameters**

Affected Floodplains and/or Wetlands N

#### Flora / Fauna

existing pad. Surrounding area is dominated by sagebrush, grasses, and buckbrush.

#### **Soil Type and Characteristics**

clay loam.

**Erosion Issues** N

**Sedimentation Issues** N

10/25/2011 Page 1

#### Site Stability Issues N

#### **Drainage Diverson Required?** Y

Divert drainage around location and away from access road.

#### Berm Required? Y

Maintain berms around location to contain spills.

#### **Erosion Sedimentation Control Required?** N

Paleo Survey Run? Y **Paleo Potental Observed?** N Cultural Survey Run? Y **Cultural Resources?** N

#### **Reserve Pit**

Site-Specific Factors	Site R	anking	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	25	Sensitivity Level

#### **Characteristics / Requirements**

Plans to use metal flat tanks for cuttings. No earthen pit planned at this point outside of a small blooie pit.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? N

#### **Other Observations / Comments**

Evaluator	Date / Time
Mark Jones	10/17/2011

10/25/2011 Page 2

# **Application for Permit to Drill Statement of Basis**

10/25/2011 Utah Division of Oil, Gas and Mining

Page 1

APD NoAPI WellNoStatusWell TypeSurf OwnerCBM467143007502420000LOCKEDGWSNo

Operator GORDON CREEK, LLC Surface Owner-APD State of Utah Division of Wildlife

Resources

Well Name GORDON CREEK ST SW-7-14-8 Unit

Field UNDESIGNATED Type of Work DRILL

**Location** SESW 7 14S 8E S 833 FSL 2011 FWL GPS Coord (UTM) 493825E 4385100N

#### **Geologic Statement of Basis**

Tunderbird Energy proposes to drill the well to a total depth of 4,161' and plans to set surface casing from 0'-450'. The surface string will be drilled using air unless hole conditons require the need to "mud-up" with water and gel chem. Within a 10,000 foot radius of the center of section 7, there are 71 filed water rights, however, only one is a subsurface groundwater right. Gordon Creek, LLC, has applied for a 4 acre/foot well for oil & gas field operations. This location is within a small north-south trending graben valley. The poorly permeable silty soil has been formed from the erosion of the Upper Blue Gate Member of the Mancos Shale. Several units of the Emery Sandstone Member of the Mancos Shale are present at the near surface or within the subsurface, these strata should be included within the interval to be protected by the surface casing string. The operator should be informed of the likelihood of these units being water saturated and to respond to protecting these zones by extending the surface casing as necessary. Proposed surface casing and cement should adequately isolate any shallow zones containing water.

Ammon McDonald
APD Evaluator

10/13/2011
Date / Time

#### **Surface Statement of Basis**

This proposed new wellbore is planned on previously disturbed surface. The site is in the upper Gordon Creek area of Carbon County, Utah. Topography changes dramatically in the area. The exact location of the well pad is sloped to the east. A well pad was originally permitted at this site and has had the permitt recinded due to inactivity. The surface has since changed ownership from SITLA to DWR. This posses issues to surface use agreements. Thunderbird and DWR are currently in negotiations in regards to surface use agreements. An ammendment to the surface use agreement that SITLA had is being drafted and hoped to have signitures in place by the end of this week to the first of next week. Both parties are in cooperation at this point. The pad is constructed and there are no plans to disturb the surface beyond the existing disturbances. Pits were reclaimed awhile back and at this point a central pit for multiple wells is planned at a different location from this pad. The cuttings will be contained on this location inside portable metal tanks. The cuttings will be trucked from the tanks to the central pit for more permanent storage and disposal. Drainages should be diverted and maintained. Berms should be maintained to contain spills on location.

Mark Jones 10/17/2011
Onsite Evaluator Date / Time

#### Conditions of Approval / Application for Permit to Drill

**Category** Condition

Surface All activities should be contained within the permit boundaries of the access road and well pad.

Surface The well site shall be bermed to prevent fluids from leaving the pad.

Surface Drainages adjacent to the proposed pad shall be diverted around the location.

RECEIVED: October 25, 2011

# WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 9/20/2011 **API NO. ASSIGNED:** 43007502420000

**WELL NAME:** GORDON CREEK ST SW-7-14-8 **OPERATOR:** GORDON CREEK, LLC (N3245)

**CONTACT:** Barry Brumwell

PROPOSED LOCATION: SESW 07 140S 080E Permit Tech Review:

SURFACE: 0833 FSL 2011 FWL Engineering Review:

BOTTOM: 0833 FSL 2011 FWL Geology Review:

COUNTY: CARBON

LATITUDE: 39.61752

LONGITUDE: -111.07194

UTM SURF EASTINGS: 493825.00

NORTHINGS: 4385100.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 3 - State

LEASE NUMBER: ML-46537 PROPOSED PRODUCING FORMATION(S): FERRON SANDSTONE

SURFACE OWNER: 3 - State COALBED METHANE: NO

#### **RECEIVED AND/OR REVIEWED:** LOCATION AND SITING: ✓ PLAT R649-2-3. Bond: STATE - RLB0010790 Unit: R649-3-2. General **Potash** Oil Shale 190-5 **Oil Shale 190-3** R649-3-3. Exception Oil Shale 190-13 **Drilling Unit** Board Cause No: Cause 248-01 Water Permit: 91-5193 **Effective Date:** 5/16/2002 RDCC Review: Siting: 460' Fr Outer Bdry & 920' Fr Other Wells **Fee Surface Agreement** Intent to Commingle R649-3-11. Directional Drill **Commingling Approved**

**Comments:** Presite Completed SURF OWNER DWR:

**Stipulations:** 5 - Statement of Basis - bhill

**PHONE NUMBER:** 403 453-1608

API Well No: 43007502420000



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

#### Permit To Drill

\*\*\*\*\*

Well Name: GORDON CREEK ST SW-7-14-8

**API Well Number:** 43007502420000

Lease Number: ML-46537 Surface Owner: STATE Approval Date: 10/25/2011

#### **Issued to:**

GORDON CREEK, LLC, 1179 E Main #345, Price, UT 84501

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 248-01. The expected producing formation or pool is the FERRON SANDSTONE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

#### **Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

API Well No: 43007502420000

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

#### **Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

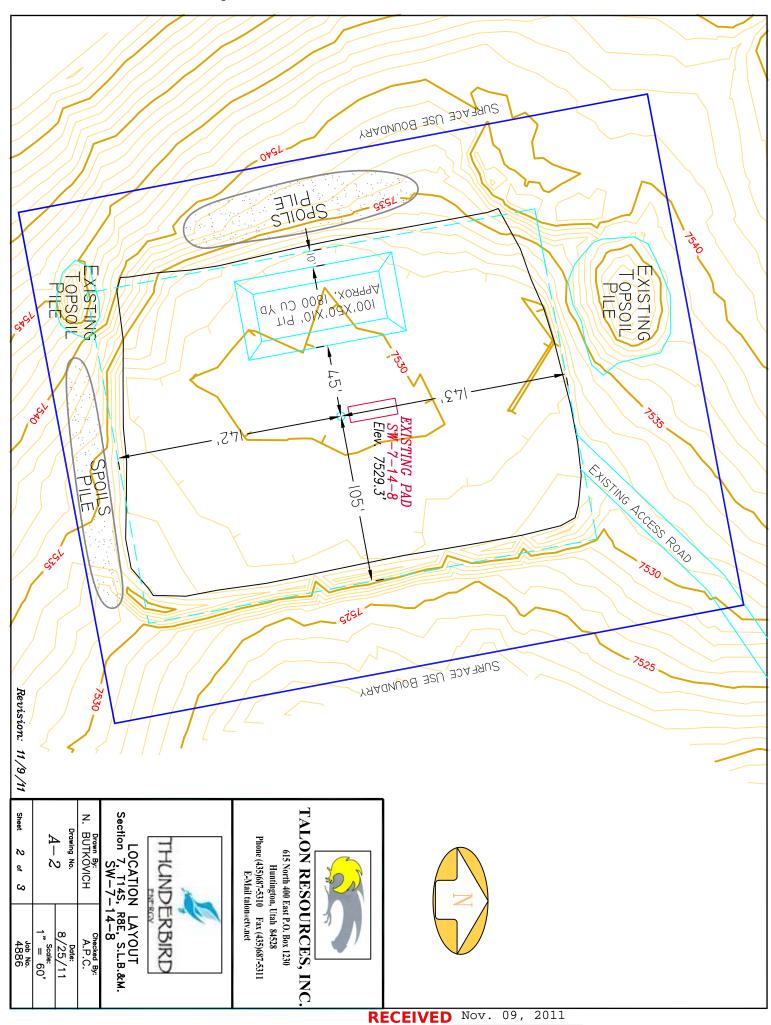
- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

**Approved By:** 

For John Rogers Associate Director, Oil & Gas Sundry Number: 20258 API Well Number: 43007502420000

			T
	STATE OF UTAH	0.050	FORM 9
	DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537
SUNDI	RY NOTICES AND REPORT	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deep ugged wells, or to drill horizontal laterals 		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: GORDON CREEK ST SW-7-14-8
2. NAME OF OPERATOR: GORDON CREEK, LLC			9. API NUMBER: 43007502420000
3. ADDRESS OF OPERATOR: 1179 E Main #345 , Price, UT		HONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0833 FSL 2011 FWL			COUNTY: CARBON
QTR/QTR, SECTION, TOWNSH	IP, RANGE, MERIDIAN: 'Township: 14.0S Range: 08.0E Meridia	n: S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDIC	CATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
11/11/2011	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT	☐ DEEPEN	☐ FRACTURE TREAT	✓ NEW CONSTRUCTION
Date of Work Completion:	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
As per discussions w a 100' X 50' X 10' n	ith Mark Jones of DOGM (Prince of DOGM) ith Mark Jones of DOGM (Prince of DOGM) it on location (copy of handle any fresh water we this well.	ce) we wish to now constru updated survey plat showin may encounter when drilling	ct g
NAME (PLEASE PRINT) Barry Brumwell SIGNATURE	<b>PHONE NUMBI</b> 403 453-1608	Vice President-Operations  DATE	
N/A		11/9/2011	

Sundry Number: 20258 API Well Number: 43007502420000



# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Con	npany	GORDON	CREEK, 1	LLC		
Well Name:	<u> </u>	GORDON	CREEK S	T SW 7-1	4-8	
Api No:	43-007-502	<b>42</b>	Lease Type_	STAT	E	
Section 02	Township_	14S Ran	ge 08E	_County_	CARBON	
Drilling Con	tractor				RIG #	
SPUDDE	D:					
	Date	11/18/2011				
	Time	·				
	How	DRY				
Drilling wi	// e:					
Reported by_		CHUC	K WALTE	RS		1
Telephone #_		(702) 5	575-3581			
Date	11/18/2011	Signed	CHD			

#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

		ENTITY ACTIO	ON FORM	
Operator:	Gordon Creek, LLC.		Operator Account Number:	N 3245
Address:	1179 E. Main, #345			
	city Price		Malaurina.	
	state UT	zip 84501	Phone Number:	(435) 820-1489

MAIL 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County	
4300750242	GORDON CREEK ST	T SW-7-14-8	SESW	7	14:5	8E	CARBON	
Action Code	Current Entity Number	New Entity Number	s	pud Dat	te		ty Assignment fective Date	
Α	99999	18353	1	1/18/201	11	12	129/11	

WELL WAS SPUDDED AT 19:00 HRS ON 11/18/2011 AND RIG RELEASED AT Comments: 12/01/2011 FRSID

API Number	Well	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
omments:			<u> </u>		<del></del>	<u></u>	

MAH 2

API Number	Well	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	S	pud Date		Entity Assignment Effective Date	
omments:				**********			

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

BARRY BRUMWELL

Name (Please Print)

Signature

VP of OPERATIONS

12/28/2011

Title

Date

RECEIVED

FORM 7

SIAIE OF UIAR
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

		EPORTOR	WATER ENCOUN	ENED DO	ANO DALLING	RECEIVED
Well name and	d number: GOF	RDON CREEK	ST SW-7-14-8			JAN 0 5 2812
API number: _	4300750242					
		ction 7 To	ownship <u>14 S</u> Range	8E Cou	nty CARBON	OF OIL, GAS & MININO
	GORDON CR			_		
Address:	1179 E. MAIN					
/ (dd/ 000.	city PRICE	· -				
Drilling contrac	ctor: CBM PAR				one: <u>(435) 820-1489</u>	
Address:	#36 CR 350 I			<del></del>		
Address.			state NM zip 87415	 Ph	one: (505) 333-2500	
					Ono	Name and Association of the State of the Sta
vvater encount	tered (attach ad					
	DEP		<b> </b>		QUALITY (FRESH OR SALT)	<b>y</b> )
	1,080	то 1,200	100		FRESH	
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}						
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L						
		EMERY SAN	DSTONE 6		3	
Formation tops (Top to Bottom						
	7					
	10					
If an analysis h	nas been made	of the water e	ncountered, please att	ach a copy o	of the report to this form.	
•			to the best of my knowled			ATIONS
NAME (PLEASE PRI	BARRY BRU	JMWELL, C.E.	T.	11766	E PRESIDENT of OPERA	ATIONS
SIGNATURE	Sylv	mast		DATE	2012	

Sundry Number: 27726 API Well Number: 43007502420000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9			
ı	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537					
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:					
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: GORDON CREEK ST SW-7-14-8			
2. NAME OF OPERATOR: GORDON CREEK, LLC			<b>9. API NUMBER:</b> 43007502420000			
3. ADDRESS OF OPERATOR: 1179 E Main #345 , Price, I		HONE NUMBER:	9. FIELD and POOL or WILDCAT: UNDESIGNATED			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0833 FSL 2011 FWL			COUNTY: CARBON			
QTR/QTR, SECTION, TOWNSH	HP, RANGE, MERIDIAN: 17 Township: 14.0S Range: 08.0E Meridian	n: S	STATE: UTAH			
11. CHECI	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
✓ NOTICE OF INTENT	ACIDIZE	ALTER CASING	CASING REPAIR			
Approximate date work will start: 7/15/2012	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS	CHANGE TUBING  COMMINGLE PRODUCING FORMATIONS	CHANGE WELL NAME CONVERT WELL TYPE			
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	□ NEW CONSTRUCTION			
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL			
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
· I	☐ WILDCAT WELL DETERMINATION ✓	OTHER	OTHER: RUN CASED HOLE LOGS			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  THE INTENT OF THIS SUNDRY NOTICE IS TO MOVE AN ELECTRIC WIRELINE UNIT ONTO THE WELL AND RUN A PULSED NEUTRON CASED HOLE LOG ACROSS THE FERRON ZONE UP TO THE DEPTH WHERE OPEN HOLE LOGS WERE UNABLE TO GET PASSED, THEN RUN A CASED HOLE GE-CBL-CCL LOG FROM TOTAL DEPTH TO SURFACE CASING, AND ALSO PRESSURE TEST THE 5 1/2" PRODUCTION CASING TO 3,000 psi. WE WOULD THEN SUSPEND OPERATIONS UNTIL PERFORATING AND STIMULATION OPERATIONS ARE PLANNED & PREPARED, WHICH WOULD BE DONE UNDER THE COVER OF A SEPARATE SUNDRY NOTICE.						
NAME (PLEASE PRINT) Barry Brumwell	<b>PHONE NUMBER</b> 403 453-1608	TITLE Vice President-Operations				
SIGNATURE N/A		<b>DATE</b> 7/12/2012				

Sundry Number: 27196 API Well Number: 43007502420000

			T
	STATE OF UTAH		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537		
SUNDF	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly de reenter plugged wells, or to drill horizont n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: GORDON CREEK ST SW-7-14-8
2. NAME OF OPERATOR: GORDON CREEK, LLC			<b>9. API NUMBER:</b> 43007502420000
3. ADDRESS OF OPERATOR: 1179 E Main #345, Price,		PHONE NUMBER: 8 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0833 FSL 2011 FWL			COUNTY: CARBON
QTR/QTR, SECTION, TOWNS	<b>HIP, RANGE, MERIDIAN:</b> 07 Township: 14.0S Range: 08.0E Meridia	n: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
ONCE THE AREA FOONTO LOCATION, THE ELECTRIC WIRELI GE-CBL-CCL LOG FRESSURE TEST WOULD THEN STIMULATION OPER	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION COMPLETED OPERATIONS. Clearly show all DREST FIRES HAVE SUBSIDED AND HE INTENT OF THIS SUNDRY NAME OF THE WELL AND ROM TOTAL DEPTH TO SURFATHE 5 1/2" PRODUCTION CASISUSPEND OPERATIONS UNTIL PRATIONS ARE PLANNED & PREFER THE COVER OF A SEPARATE	ND WE ARE ALLOWED NOTICE IS TO MOVE AN RUN A CASED HOLE CE CASING, AND ALSO ING TO 3,000 psi. WE PERFORATING AND PARED, WHICH WOULD	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  APD EXTENSION  OTHER: RUN CASED HOLE LOGS  Depths, volumes, etc.  Approved by the Utah Division of Oil, Gas and Mining  Date: July 12, 2012  By:
NAME (PLEASE PRINT)	PHONE NUMBER		
Barry Brumwell SIGNATURE	403 453-1608	Vice President-Operations  DATE	
N/A		6/29/2012	

Sundry Number: 29127 API Well Number: 43007502420000

	STATE OF UTAH		FORM 9		
ı	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537				
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	posals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: GORDON CREEK ST SW-7-14-8		
2. NAME OF OPERATOR: GORDON CREEK, LLC			<b>9. API NUMBER:</b> 43007502420000		
3. ADDRESS OF OPERATOR: 1179 E Main #345 , Price, l		ONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0833 FSL 2011 FWL			COUNTY: CARBON		
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 07 Township: 14.0S Range: 08.0E Meridian:	S	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICATE I	NATURE OF NOTICE, REPOR	T, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
12/1/2011	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
Executive	COMPLETED OPERATIONS. Clearly show all pe e Summary and Drilling Report	TITLE	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 21, 2012		
Barry Brumwell	403 453-1608	Vice President-Operations			
SIGNATURE N/A		<b>DATE</b> 8/21/2012			

Sundry Number: 29127 API Well Number: 43007502420000

# **EXECUTIVE SUMMARY REPORT**

WELL:

**GORDON CREEK SW-7-14-8** 

API#:

43000750242

COUNTY:

CARBON COUNTY, UTAH

SPUD:

01:30 HRS, 11/18/2011

OBJECTIVE:

To drill & complete as a Ferron Gas well

R.R.:

24:00 HRS, 12/01/2011

RIG CONTRACTOR:

CBM Partners Rig # 101

#### **BIT INFORMATION:**

ТҮРЕ	SIZE (inches)	DEPTH IN (ft)	DEPTH OUT (ft)	ROT. HOURS	TOTAL HOURS
Tricone	14 3/4	0	40	2.5	2.5
PDC	11	40	907	15.5	18
PDC	7 7/8	907	3990	60.75	78.75
Tricone	7 7/8	3990	4275	22.75	101.5

**CONDUCTOR CASING:** 

HOLE SIZE:

14 3/4"

**CONDUCTOR SET FROM:** 

0'

to

40'

The 12 %" conductor pipe was run to 40' and cemented full length.

#### **SURFACE CASING:**

**HOLE SIZE:** 

11"

SURFACE CASING FROM:

0'

to

907'

Ran a total of 20 joints of 8 5/8", 24 #/ft, J-55, ST&C casing landed at 906' KB. Cemented with 400 sks Class G cement mixed with 15.8 ppg. No returns. Top job through 1" jointed pipe with 100 sks Class G 15.5 ppg cement.

#### **PRODUCTION CASING:**

**HOLE SIZE:** 

7 7/8"

**SURFACE CASING FROM:** 

0'

to

4233.46'

Ran a total of 103 joints of 5  $\frac{1}{2}$ ", 17.0 #/ft, N-80, LT&C casing landed at 4,233.46' KB. Cemented with 474 sks Premium Class "G" + 0.2% airout, 40% Superball, 2% CaCl2, 1 % Super FL 300,  $\frac{1}{2}$ # Super Flake, 3% Super GR mixed at 10.7 ppg. Bumped plug, floats held, no cement returns. Marker joints at 3,980' and 3,636'.

PLEASE REFER TO THE ATTACHED DRILLING REPORTS FOR SPECIFIC DAILY WELL INFORMATION

Sundry Number: 29127 API Well Number: 43007502420000 **DAILY DRILLING REPORT** THUNDERBIRD ENERGY WELL NAME: CARBON COUNTY, UTAH **GORDEN CREEK ST SW 7-14-8** LOCATION: AP#43007502420000 WELL LICENCE: BARRY BRUMWELL **CHUCK WALTER** REPORTING TO: SUPERVISOR: PHONE#: CELLULAR#: 0130 HRS, NOV. 18,2011 SPUD DATE: A.F.E. #: DAILY COST: R.R. DATE: CBM # 100 CUM. COST: CBM PARTNERS CONTRACTOR: (D&C): EST. T.D: AFE EST (D&A): Prep to move rig REPORT DATE 17-Nov-11 STATUS 06:00 GL - 7529.30 PROG: DEPTH: SURVEYS: FC: WL: PH: WT: VISC: MUD TYPE: ADDITIVES: HOURS ROP GRADE FEET JETS WOB RPM BIT SERIAL# SIZE MFG TYPE AV DP NOZZLE VEL AV DC LINER STK PRESS PUMP DESCR. TIME DISTRIBUTION 9.00 L.D.D.S.: DRILLING ASSEMBLY RIG TO SPUD: LOGGING: ID LENGTH OD WELD ON BBL CEMENT: WAIT MOVE RIG SERVICE: WOC: SURVEY: RUN CSG PRESSURE TEST: ORU L HANDLE TOOLS: TRIP: CIRCULATE: WAIT ON: NIPPLE DN BOP: WELD BOWL DRILL OUT: DIR. WORK: PASON REAM: SUP LINE: SAFETY MEETING: WORK CON: STUCK & FISH: RIG DOWN TIME 3.00 Nipple Up Rig Out TOTAL 12.00 TOTAL HOURS: LAST CASING SUMMARY CSG. Kg/m JTS TOTAL LENGTH METERS. LANDED AT MKB. CEMENTED WITH PLUG DOWN AT M3 CEMENT RETURNS. HRS. ON LOGS RUN REMARKS 0000 0600 Waiting on daylight. RD, 5 loads moved onto new location. Camp moved and set up on new location 0600 1800 2400 Shut down for night

Weather:

1800

WT. OF D.C.

WT. OF STRING

Sundry Number: 29127 API Well Number: 43007502420000 **DAILY DRILLING REPORT** THUNDERBIRD ENERGY WELL NAME: CARBON COUNTY, UTAH **GORDEN CREEK ST SW 7-14-8** LOCATION: API#43007502420000 WELL LICENCE: BARRY BRUMWELL REPORTING TO: SUPERVISOR: **CHUCK WALTER** PHONE#: CELLULAR#: A.F.E. #: SPUD DATE: 0130 HRS, NOV. 18,2011 DAILY COST: R.R. DATE: CBM # 100 CUM. COST: **CBM PARTNERS** CONTRACTOR: (D&C): EST. T.D: AFE EST (D&A): Moving rig - 40% moved. 0% RU REPORT DATE 18-Nov-11 STATUS 06:00 KB: 7542.30 DAY: GL: 7529.30 PROG: DEPTH: SURVEYS: FC: VISC: WL: PH: WT: MUD TYPE: ADDITIVES: ROP GRADE HOURS WOB RPM / FEET BIT SERIAL# MFG TYPE JETS NOZZLE VEL AV DP AV DC SPM RATE PRESS PUMP DESCR. LINER STK TIME DISTRIBUTION 18.00 MOVE RIG DRILLING ASSEMBLY RIG TO SPUD: LENGTH OD ID WELD ON BBL CEMENT: 6.00 WAIT MOVE SURVEY: WOC: RUN CSG: PRESSURE TEST: DST: DRILL: TRIP: HANDLE TOOLS: WAIT ON: CIRCULATE: NIPPLE DN BOP: WELD BOWL DRILL OUT: DIR. WORK: REAM: PASON SLIP LINE: SAFETY MEETING: WORK CON: STUCK & FISH: RIG DOWN TIME Nipple Up Rig Out TOTAL LAST CASING SUMMARY RAN 24.00 TOTAL HOURS: CSG. Kg/m JTS METERS. TOTAL LENGTH MKB. CEMENTED WITH M3 CEMENT RETURNS. HRS. ON PLUG DOWN AT LOGS RUN REMARKS 0600 0000 Waiting for day light Move in an spot rig. Crew contined to rig up under lights. Haul water 0600 2400

Weather:

WT. OF D.C.

WT. OF STRING

	<b>J</b> DERBIRD				DAILY	DRILLING RE	PORT					
	ERGY	GORDEN C	REEK ST SW	7-14-8			LOCATION: WELL LIGENC	E: AP	CARBON CO #4300750242	DUNTY, UTAH		
SUPERVISOI CELLULAR # SPUD DATE:	r.	CHUCK WA	LTER NOV: 18,2011				REPORTING T PHONE #: A.F.E. #:		BARRY BRU	IMWELL	- - -	
R.R. DATE: CONTRACTO EST. T.D:	DR:	CBM PARTI	VERS	CBM#100			DAILY COST: CUM. COST: AFE EST (D&A	4):		26,395 57,145 (D&C);		_
	DAY: DEPTH: SURVEYS:	3 218	PROG:	REPORT DATE		STATUS 06:0 7542:30		7529:30	Depth, 4	35', Working on rot MACP:		
	MUD TYPE: ADDITIVES:	aerated water	WT	:	VISC		WL:		PH		FC:	
BIT 1 2	SERIAL#	SIZE 11 9.25 ()	MFG Retip - rerun Shear	TYPE SV 616	JETS 6 x 18	WOB 8 - 10	<b>RPM</b> 80	FEET 218	HOURS 7.5	<b>ROP</b> 29	G	RADE
	PUMP &J F-100	DESCR. Triplex	LINER 6"	STK 7"	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL		
	&J F-100 DRILLING ASSEM TOOL	Triplex	6" OD	7" ID	LENGTH		TIME DISTRIB	UTION		LDDS: LOGGING:		_
	Bit, 9.25" PDC X O 9 DCs		9.25" 8" 6.25	2.75 2.25	1.70 5.21 277.27		WELD ON BBL: RIG SERVICE: SURVEY:		1.50	CEMENT: WAIT MOVE WOC: RUN CSG:	3.00 3.50	
							PRESSURE TEST: DRILL: HANDLE TOOLS: CIRCULATE:		7.50 4.00	DST: TRIP: WAIT ON:	3.30	
							NIPPLE DN BOP: DRILL OUT: REAM: SAFETY MEETING	i.		WELD BOWL DIR: WORK: PASON SLIP LINE:		
	LAST CASING SUI	MWARY		TOTAL	284.18		STUCK & FISH: RIG DOWN TIME RIG Out TOTAL HOURS:		24.00	WORK CON: Other Nipple Up	1.00 3.50	
	RAN LANDED AT CEMENTED WITH		JTS MKB.	TOTAL LEN	mm GTH	   WITH	Kg/m METERS.	M3 CEMENT R	RETURNS		CSG.	
	PLUG DOWN AT LOGS RUN			- No. OX								
0000 0130	0130 0400	Rig up - pre Spud w/	p to spud - ha bit. Drill to	iul water 40'								
0400 0700 1200	0700 1200 1300	PU conduct Cement cor	or, work dow Iductor with 2	n to 40' cu/yds ready easure and fin		for						
1300 1400 1630 1730	1400 1630 1730 1900	NU riser, ro	tating head. I	RU blooie line		101						
1900	0000	Drill/to 218'	inos with riigh	una ion pros								
Neather:	8	WT. OF D.C.	g drifting snow -	WT. OF STRII	NG							

DAILY DRILLING REPORT THUNDERBIRD CARBON COUNTY, UTAH WELL NAME: **GORDEN CREEK ST SW 7-14-8** LOCATION: API#43007502420000 WELL LICENCE: **BARRY BRUMWELL CHUCK WALTER** REPORTING TO: SUPERVISOR: PHONE #: CELLULAR#: 0130 HRS, NOV. 18,2011 A.F.E. #: SPUD DATE: \$33,860 DAILY COST: RR DATE \$113,918 CUM, COST: **CBM PARTNERS** CBM # 100 CONTRACTOR: (D&C): AFE EST (D&A): 4000'± EST, T.D: REPORT DATE 20-Nov-11 STATUS 06:00 KB: 7542.30 Waiting on cement MACP: 7529.30 GL: DEPTH: 907 PROG: 689 SURVEYS: 1 degree @ 508 l degree @ 900 PH: FC: VISC: WL: MUD TYPE air/water WT: ADDITIVES: ROP GRADE HOURS WOB FEET MFG TYPE **JETS** SERIAL# SIZE BIT 689 10 68.9 No wear or damage 10 75 sv 616 6 x 18 TJ 20880 9.25 shear NOZZLE VEL AV DP SPM RATE PRESS AV DC DESCR. LINER STK PUMP 6 L&J F-100 L&J F-100 Triplex TIME DISTRIBUTION LDDs: DRILLING ASSEMBLY LOGGING: RIG TO SPUD: OD ID TOOL 1.70 WELD ON BBL 9.25 Bit, PDC 1.00 WAIT MOVE RIG SERVICE: 8" 2.75 5.21 X - O 1.00 woc: 2 25 277.27 SURVEY: 9 6.25 DCs 6.25 1,50 RUN CSG: PRESSURE TEST: 10.00 DST: DRILL: 2.00 2.50 HANDLE TOOLS: TRIP: WAIT ON: 1.50 CIRCULATE WELD BOWL NIPPLE DN BOP DRILL OUT: PASON REAM: SLIP LINE: SAFETY MEETING: STUCK & FISH: WORK CON: 2.00 2.50 RIG DOWN TIME Nipple Up 284.18 Rig Out 24.00 TOTAL HOURS LAST CASING SUMMARY CSG. 8 rd 8.675 ST&C JTS TOTAL LENGTH 908.82 METERS. MKB. I ANDED AT 906.00 CEMENTED WITH M3 CEMENT RETURNS. HRS. ON WITH PLUG DOWN AT LOGS RUN REMARKS Drill f/ 218' to 277' 0000 0100 Repair air slips 0100 0200 0300 Drill f/ 277 to 371 0200 Repair rotating head element 0430 0300 Drill f/ 371 to 506 0430 0645 Wireline survey @ 506, 1 degree 0645 0745 1400 Drill f/ 506 to 907 0745 Circulate hole clean, wireline survey @ 900', 1 degree (repaired geolograph line) 1530 1400 1530 1730 POH LD drill string for casing Service rig, & prep to run casing. 1730 1830 Move csg on pipe rack 1830 2000 Change out subs on top drive for running casing 2000 2230 MU shoe, shoe jt, collar and run 8.675" casing. See surface casing details for placement of stablizers & cement baskets 2230 2400 Do not have all trucking costs at this time.

WT. OF STRING

WT. OF D.C.

Weather: Cold, no wind. Mild by Calgary standards

THUND	) ERBIRD				DAILY	DRILLING RE	PORT					
WELL NAME	ERGY	GORDEN CR	EEK ST SW 7	-14-8			LOCATION: WELL LICENCE	:E: AF	CARBON CO #4300750242	OUNTY, UTAH 0000	_	
SUPERVISO		CHUCK WAL	TER		_		REPORTING 1	го:	BARRY BRU	MWELL	_	
CELLULAR # SPUD DATE: R.R. DATE:		0130 HRS, N	OV. 18,2011		<u>-</u> -		PHONE #: A.F.E. #: DAILY COST:		\$2	22,890		
CONTRACTO	OR:	CBM PARTN 4000'±	ERS	CBM#100	<del>-</del>		CUM. COST: AFE EST (D&/	<b>4)</b> :		35,318 (D&C)		_
	DAY: DEPTH:	5 907		REPORT DATE	Nov. 21, 2011 KB:	STATUS 06:0 7542.30		7529.30		Trip in hole MACP		
	SURVEYS:											
	MUD TYPE: ADDITIVES:	Water/air	WT:		VISC:		WL:		PH		FC:	
BIT 3	SERIAL# TJ 0569	<b>SIZE</b> 7.875	MFG Shram	TYPE SM 616	JETS 6 x 20	WOB	RPM	FEET	HOURS	ROP	GR	ADE
	PUMP .8.J F-100 .8.J F-100	DESCR. Triplex Triplex	LINER 6 6	STK 7 7	SPM	RATE	PRESS	AV DC	AV DP	Nozzue Vel		
	DRILLING ASSEMI TOOL Bit #3, PDC		OD 7.875	ID	LENGTH	]	TIME DISTRIB MOVE RIG; RIG TO SPUD: WELD ON BBL; RIG SERVICE:	<u>UTION</u>	1.00	L.D.D.S.: LOGGING: CEMENT: WAIT HOVE	2.50	
							SURVEY: PRESSURE TEST DRILL:	4	1.75	WOC: RUN CSG: DST:	4.50 1.00	
							HANDLE TOOLS: CIRCULATE: NIPPLE DN BOP:			TRIP: WAIT ON: WELD BOWL	1.25	
							DRILL OUT: REAM: SAFETY MEETING	3:		DIR. WORK: PASON SUP LINE:		
				TOTAL			STUCK & FISH: RIG DOWN TIME RIG Out			WORK CON: Other Nipple Up	5.50 6.50	
	LAST CASING SUI RAN LANDED AT		JTS MKR	8.675 TOTAL LEN			TOTAL HOURS: Kg/m METERS.	ST&C	24.00	8 md	_csg.	
	CEMENTED WITH PLUG DOWN AT	307.00	1st stage 400 s	x 15.8 'G'; 2nd HRS. ON	l stage (top job) Nov. 20, 2011	100 sx 15.8 'G'	No	M3 CEMENT	RETURNS.			
	LOGS RUN											
0000 0100 0330 0800 0900 1030	0100 0330 0800 0900 1030 1630	RU cement of WOC - rig in Rig service Prep cellar for Weld on cas	casing w/ 400 maintence or welder ing flange. (F	sx 'G' 15.8#	cement. No r	asing. Lande retums. Top j	ob w/ 100 sx '	'G' 15.5# cer	entralizers evenent. Cement	ery other jt., CB : 10' f/ top. See :	@ 500' & 30' surf cement d	etails
1630 2200 2345	2200 2345 2400	Test BOP, c and 250 psi	choke manifold hoke lines & r low. Choke fi w/ 7.875" PDC	manifold, blin illed w/ metha	od ram, kill line anol upon colp	e, kill valve pi pletion of test	pe ram & insid ing.	de valve safe	ty valve, & up	per kelly valve t	o 2500 psi hiç	gh
		Note: Nippli	ng up BOP is	listed as 'oth	ner' under time	e distribution.						
Weather:	Cold, clear, no wind	WT. OF D.C.		WT. OF STR	ING							

DAILY DRILLING REPORT THUNDERBIRD ENERGY WELL NAME: CARBON COUNTY, UTAH LOCATION: **GORDEN CREEK ST SW 7-14-8** API#43007502420000 WELL LICENCE: BARRY BRUMWELL **CHUCK WALTER** REPORTING TO: SUPERVISOR: PHONE#: CELLULAR#: 0130 HRS, NOV. 18,2011 A.F.E.#: SPUD DATE: DAILY COST: \$42,525 R.R. DATE: \$177,842 CBM # 100 CUM. COST: **CBM PARTNERS** CONTRACTOR: (D&C): EST. T.D: 4000'± AFE EST (D&A): Drilling ahead 2476 REPORT DATE Nov.22, 2011 STATUS 06:00 967 PROG: KB: 7542.30 GL: DEPTH: SURVEYS: FC: PH: VISC: WL: MUD TYPE: WT: air/water ADDITIVES: GRADE FEET **HOURS** ROP TYPE BIT SERIAL# SIZE MFG JETS WOB RPM 4.5 67 TJ 0569 7.675 Shram SM 616 6 X 20 11 90 NOZZLE VEL AV DP AV DC SPM RATE PRESS PUMP DESCR. LINER STK Triplex L&J F-100 Triplex TIME DISTRIBUTION L.D.D.S.: MOVE RIG: DRILLING ASSEMBLY LOGGING: RIG TO SPUD: TOOL OD ID. LENGTH WELD ON BBL CEMENT: 1.00 Bit, PDC 7.675 0.50 WAIT MOVE 3.00 RIG SERVICE: 6.25 2.25 Bit Sub 9 Drill Collars 6.25 2.25 277.07 SURVEY: WOC: RUN CSG: PRESSURE TEST: 4.50 DST: ORILL: 8.50 HANDLE TOOLS: WAIT ON: CIRCULATE: NIPPLE DN BOP 2.50 WELD BOWL DRILL OUT: DIR. WORK: REAM: PASON SLIP LINE: SAFETY MEETING: WORK CON: STUCK & FISH: RIG DOWN TIME 3.00 Other 2.00 3.00 Nipple Up 281.07 TOTAL Rig Out 24.00 TOTAL HOURS LAST CASING SUMMARY 8 end CSG 20 JTS 907.00 MKB. ST&C 8.675 mm TOTAL LENGTH 24 Kg/m 906.00 METERS LANDED AT CEMENTED WITH M3 CEMENT RETURNS. HRS. ON PLUG DOWN AT LOGS RUN REMARKS **NU Blooie Line** 0000 0030 RIH, tag cement @ 756' (90' high) 0300 **(600)** Prepared to turn on air. Blooie line was to high and not orientated to the pit. 0700 0600 0930 0700 POH ND rotating head. Remove 3' riser (lowers blooie line 3' at the stack). Turn & NU rotating head on top of BOP stack. NU blooie line. 0930 1200 (500) 1200 RIH to 756', TOC. 1530 Drill cement f/ 756' to 846' 1500 1530 1600 Rig service Rig repair. Pull down was not working. 1600 1900 RU rig water, prime pumps to drill w/ air water. 2000 1900 2000 2115 Drill cement f/ 846' (collar) 907' (shoe) Drill formation f/ 907' to 967' 2115 0.00 Today's cost include lease acquisition (\$15999) and surveying (\$7000) costs.

WT. OF STRING

WT. OF D.C.

Weather: Cold, low 20s

THUND	ERBIRD				DAILY	DRILLING RE	PORT					
SUPERVISOR CELLULAR#: SPUD DATE: R.R. DATE: CONTRACTO EST. T.D:	:	CHUCK WALL 0130 HRS, N CBM PARTN 4000'±	l OV. 18,2011	:14-8 :CBM#100			LOCATION: WELL LICENCE REPORTING TO PHONE #: A.F.E. #: DAILY COST: CUM. COST; AFE EST (D&A	0;	#4300750242 BARRY BRU		7 	
	DAY: DEPTH: SURVEYS:	7 2746 1.75 @ 1414 1.5 @ 2006	PROG:	REPORT DATE 1109	Nov. 23, 2011 KB:	7542.30	0	7529:30	PH	Orilling ahead @ 29 MACP		
BIT 3	ADDITIVES:  SERIAL #  TJ 0569	Air SIZE 7.875	MFG Shram	TYPE SM 616	JETS 6 x 20	<b>WOB</b> 11 to 12	<b>RPM</b> 85 - 95	FEET 1109	HOURS 23	ROP 48.0	GF	RADE
L8	PUMP  J F-100  J F-100  DRILLING ASSEME	DESCR. Triplex Triplex	6" 6"	STK 7" 7"	SPM   12	RATE 33 gpm	PRESS 550 TIME DISTRIBL MOVE RIG:	AV DC	AVDP	NOZZLE VEL		
	TOOL PDC Bit Bit Sub 9 DCs		OD 7.875 6.25 6.25	2.25 2.25 2.25	LENGTH 1.00 3.00 277.07		RIG TO SPUD: WELD ON BBL: RIG SERVICE: SURVEY: PRESSURE TEST: ORILL: HANDLE TOOLS: CIRCULATE: NIPPLE ON BOP- DRILL OUT: REAM: SAFETY MEETING. STUCK & FISH:		1.00	LOGGING. CEMENT: WAIT MOVE WOC: RUN CSG. DST: TRIP: WAIT ON; WELD BOWL DIR. WORK: PASON SUP LINE: WORK CON:		
	LAST CASING SUN RAN LANDED AT CEMENTED WITH PLUG DOWN AT LOGS RUN None	MMARY 20 906.00	1 st stage, 400x	TOTAL LEN	281:07 In. GTH dd stage, (top jol Nov. 20, 2011	24 906.00 b) 100 sx #15.8 WITH	RIG DOWN TIME RIG Out TOTAL HOURS:  Ibs/ft  FEET 'G'   No	LT&C	24.00 	Other Ripple Up  8 md	cse.	
0000 1203 0130	1230 0130 2400	Wireline sur	on f/ 967' to 20 vey @ 2006 - on f/ 2016' to 2	1.0°								
And the state of t	Mild, sunshine, no v	ağınd										

, <u>1</u>	EPRIPO				DAILY	DRILLING RE	:PORT					
	ERBIRD RGY	GORDEN CR	REEK ST SW 7	'-14-8			LOCATION: WELL LICENC	E: /	CARBON CC	DUNTY, UTAH		
SUPERVISOR CELLULAR#		CHUCK WAL	TER		_		REPORTING T	<b>10</b> :	BARRY BRU	MWELL		
SPUD DATE: R.R. DATE: CONTRACTO EST. T.D:		0130 HRS, N 2400 HRS NO CBM PARTN 4309' ±	OV 15, 2011	CBM # 100	7 		A.F.E. #: DAILY COST: CUM. COST: AFE EST (D&A	<b>1):</b>		8,869 40,519 (D&C):		_
	DAY:	8		REPORT DATE	E Nov. 24, 2011				D	rilling ahead @ 375	5'	
	DEPTH: SURVEYS:	3525 2.5 @ 3000' 3 @ 3505'		779	KB:	7542.30	GL:	7529.30		MAGP:		
	MUD TYPE:	Water	WT:		VISC:		WL:		PH:		FC:	
BIT 3	SERIAL # TJ 0569	Air   SIZE   7.875"	574 scfm MFG Shram	TYPE SM 616	<b>JETS</b> 6 x 20	WOB 11 to 12	RPM 85 to 95	FEET 779	HOURS 13.5	ROP 57.7	GI	RADE
L.8	PUMP 3 J F-100	DESCR. Triplex	LINER 6"	STK 7"	SPM	RATE	PRESS	AVDC	AV DP	NOZZLE VEL		
L.E	3 J F-100	Triplex	6"	7"	72	198 gpm	529 psi TIME DISTRIBI MOVE RIG:	UTION		LDDS:		
	TOOL  Bit, PDC		OD 7.875	ID _	LENGTH 1.00	1	RIG TO SPUD: WELD ON BBL:			LOGGING: CEMENT:		
	Bit Sub 9 DCs		6.25 6.25	2.25 2.25	3.00 277.07		RIG SERVICE: SURVEY:		2.00	WAIT MOVE WOC:		
							PRESSURE TEST: DRILL:		13.50	RUN CSG: DST:		
							HANDLE TOOLS: CIRCULATE:		6.50	TRIP: WAIT ON:	1.00	
							NIPPLE DN BOP: DRILL OUT:			WELD BOWL DIR. WORK:		
							REAM: SAFETY MEETING	i		PASON SUP LINE:		
							STUCK & FISH: RIG DOWN TIME			WORK CON:	1.00	
	LAST CASING SU			TOTAL	281.07		Rig Out TOTAL HOURS:	1.700	24.00	Nipple Up	SG.	
	RAN LANDED AT	20 906.00	JTS MKB.	8.675 TOTAL LEN	in. IGTH nd stage (top job)	906.00	Ibs/ft METERS.	LT&C		OHU 9		
	CEMENTED WITH PLUG DOWN AT LOGS RUN			HRS. ON	Nov. 20, 2011		No	M3 CEMEN	T RETURNS.			l
REMARKS	2000	Drill f/ 2746'	to 2000'									
0000 0600	0600 0630	Circulate										
0630 0800	0800 1300	Survey, 3000 Drill f/ 3000'	to 3431									
1300 1400	1400 1500	DP stuck - Pull 10 its. D	hole sloughed	din - work	pipe free.							
1500	2100		II clean.w/ air,	mix pill & sv	veep hole & sta	age back to	bottom					
2100 2330	2330 0000		vey @ 3501',	3°								

Note: Bit performance is effected by the amount of circulation time required on each kelly down for hole clean up. Often circulation time exceeds the drilling time per connection.

5.5" Production casing on location.

WT. OF D.C.

WT. OF STRING

Weather: Clear and cold.

DAILY DRILLING REPORT THUNDERBIRD ENERGY WELL NAME: CARBON COUNTY, UTAH **GORDEN CREEK ST SW 7-14-8** LOCATION: API#43007502420000 WELL LICENCE: **BARRY BRUMWELL** SUPERVISOR: CHUCK WALTER REPORTING TO: PHONE #: CELLULAR#: 0130 HRS, NOV. 18,2011 A.F.E.#: SPUD DATE: R.R. DATE: 2400 HRS NOV 15, 2011 DAILY COST: \$15,652 \$258,505 CBM PARTNERS CBM # 100 CUM. COST: CONTRACTOR: (D&C): AFE EST (D&A): EST. T.D: 4300' Frilling @ 3653 DAY: REPORT DATE Nov. 25, 2011 STATUS 06:00 MACP: KB: 7542.30 GL DEPTH: 3884 PROG: SURVEYS: PH: WT: VISC WL: MUD TYPE: Water ADDITIVES: 574 scfm GRADE ROP FEET HOURS SIZE WOB RPM BIT SERIAL# MFG TYPE JETS 13.5 57.7 11 to 12 85 to 95 TJ 0569 7.875 Shram SM 616 6 x 20 AV DC AV DP NOZZLE VEL SPM RATE PRESS LINER STK PUMP DESCR. Triplex 529 psi TIME DISTRIBUTION 231 72 L&J F-100 Triplex MOVE RIG: L.D.D.S.: DRILLING ASSEMBLY RIG TO SPUD: LOGGING: LENGTH TOOL 1.00 WELD ON BBL CEMENT: Bit, PDC 7.875 WAIT MOVE 2.25 3.00 RIG SERVICE: 6.25 Bit Sub 0.50 SURVEY: PRESSURE TEST: WOC 9 DCs 6.25 2.25 277.07 RUN CSG: 15.50 DRILL: TRIP: HANDLE TOOLS: WAIT ON: NIPPLE DN BOP WELD BOWL DRILL OUT: DIR. WORK: PASON REAM: SUP LINE SAFETY MEETING STUCK & FISH: WORK CON RIG DOWN TIME Nipple Up TOTAL 24.00 TOTAL HOURS: LAST CASING SUMMARY LT&C 8 md CSG. RAN LANDED AT 8.675 20 TOTAL LENGTH 906.00 METERS. 906.00 MKB. 1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8 0145 HRS. ON Nov. 20, 2011 WITH CEMENTED WITH M3 CEMENT RETURNS: PLUG DOWN AT LOGS RUN REMARKS 0000 0030 Continue wire line survey 3°@ 3503' (1600) Drill f/ 3505' to 3884' 0030 1600 1615 Rig repair, 1" hydraulic hose ruptured. Rig unable to move the top drive up or down. Spare not kept on rig. Replacement 1615 2400 hose made up in Grand Junction, Colorado and hot shot to rig.

> T/ Ferron 3660. TD, 4300'

WT. OF D.C.

WT. OF STRING

Weather: Clear and cold.

**DAILY DRILLING REPORT** THUNDERBIRD CARBON COUNTY, UTAH LOCATION: **GORDEN CREEK ST SW 7-14-8** WELL NAME: AP##43007502420000 WELL LICENCE: **BARRY BRUMWELL CHUCK WALTER** REPORTING TO: SUPERVISOR: PHONE #: CELLULAR#: 0130 HRS, NOV. 18,2011 A.F.E. #: SPUD DATE: 2400 HRS NOV 15, 2011 DAILY COST: \$24,908 R.R. DATE: \$283,413 CUM. COST: CBM # 100 CONTRACTOR: CBM PARTNERS (D&C): 4300' AFE EST (D&A): EST. T.D: Trip in hole REPORT DATE Nov. 26, 2011 STATUS 06:00 GL: 7529.30 3950 KB: 7542.30 DEPTH: SURVEYS: PH: WL: Water WT: VISC: MUD TYPE: 574 scfm ADDITIVES: Air GRADE ROP FEET HOURS RPM SERIAL# SIZE MFG TYPE JETS WOB BIT 66 TJ 0569 7.875 SM 616 6 x 20 11 to 12 85 to 95 ETD18 7.875 3 X 20 AV DP NOZZLE VEL AV DC RATE PRESS DESCR. LINER STK SPM PUMP Triplex L&J F-100 529 psi TIME DISTRIBUTION 72 L&J F-100 Triplex L.D.D.S.: MOVE RIG: DRILLING ASSEMBLY RIG TO SPUD: LOGGING TOOL OD ID LENGTH WELD ON BBL CEMENT: 1.00 Bit, PDC 7.875 WAIT MOVE 3.00 RIG SERVICE: 6.25 **Bit Sub** WOC: 271.86 SURVEY: 9 DCs RUN CSG: PRESSURE TEST: 16.00 DRILL 5.50 HANDLE TOOLS: 2.00 CIRCULATE: WAIT ON: NIPPLE DN BOP WELD BOWL DRILL OUT: DIR. WORK: PASON REAM: SUP LINE SAFETY MEETING STUCK & FISH: RIG DOWN TIME 0.50 Nipple Up 275.86 Rig Out TOTAL 24.00 TOTAL HOURS LAST CASING SUMMARY LT&C 8 md CSG. lbs/ft 8.675 TOTAL LENGTH 906.00 LANDED AT 906.00 MKB. 1 st stage, 400sx #15.8, 'G'.2 nd stage (top job), 100 sx #15.8 0145 HRS ON Nov. 20, 2011 WITH CEMENTED WITH M3 CEMENT RETURNS. PLUG DOWN AT LOGS RUN REMARKS

		indianalistication in the contraction of the contra
0000	0030	Install hydraulic hose
0030	0100	Circulate w/ water/ air to establish returns
0100	1700	Drill f/ 3884 to 3950
1700	1715	Circulate hole - pump gel sweep
1715	2000	Trip out of hole - pipe stuck - pump soap & air - work pipe - pipe came free
2000	2045	Circulate hole - pump gel sweeps w/ LCM - while recipocating pipe
2045	2400	Trip out of hole

Note: 70' Depth correction @ 3959' was 3889' (2 jts DP)

T/ Ferron 3660. TD, 4300'

WT. OF D.C.

WT. OF STRING

Weather: Clear, cold and high winds

	EDB(DI)				DAILY	DRILLING REF	PORT					
THUND! WELL NAME:		GORDEN C	REEK ST SW 7	'-14-8			LOCATION: WELL LICENC	E: AP	CARBON CO	Control of the Contro	_	
SUPERVISOR:		CHUCK WAL	TER				REPORTING T	0:	BARRY BRU	WELL	<b>T</b> io s	
CELLULAR#: SPUD DATE: R.R. DATE:		0130 HRS, N 2400 HRS N	OV 15, 2011				PHONE #: A.F.E. #: DAILY COST:		()	3,745 2.158	- -	
CONTRACTOR	₹	CBM PARTN 4300'	EKS	CBM#100			CUM. COST: AFE EST (D&A	<b>():</b>		(D&C)		ш.
	DAY: DEPTH:	11 3950	PROG:	REPORT DATE		STATUS 06:00 7542:30		7529.30	Working drill	string at 3660 & n	nixing LCM pill	
	SURVEYS:	3300	31.00									
	MUD TYPE: ADDITIVES:	Water Air	WT. 574 scfm		VISC:		WLf		PH:		FC:	
BIT	SERIAL#	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	G	RADE
4	135614	7.875	Veral	ETD18	3 X 20							
	PUMP	DESCR.	LINER	STK 7"	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL		
	J F-100 J F-100	Triplex Triplex	6" 6"	7"	85	234	281 TIME DISTRIB	ITION				
	DRILLING ASSEMI TOOL Bit, PDC Bit Sub 9 DCs	BLY	7.875 6.25 6.25	2.25 2.25 2.25	LENGTH 1.00 3.00 271.86		MOVE RIG- RIG TO SPUD: WELD ON BBL: RIG SERVICE: SURVEY: PRESSURE TEST: DRILL: HANDLE TOOLS:			LID.D.S.: LOGGING: CEMENT: WAIT MOVE WOG: RUN CSG: DST: TRIP:		
							CIRCULATE: NIPPLE DN BOP: DRILL OUT: REAM: SAFETY MEETING STUCK & FISH: RIG DOWN TIME			WAIT ON: WELD BOWL DIR. WORK: PASON SLIP LINE: WORK CON: Other		
	LAST CASING SUI RAN LANDED AT	MMARY 20 906.00	JTS MKB.	8.675	275,86 In. GTH	24 906.00	Rig Out TOTAL HOURS: Ibs/ft METERS:	LT&C		Nipple Up 8 md	CSG.	_
	CEMENTED WITH PLUG DOWN AT LOGS RUN		1 st stage, 400 0145	sx #15.8, 'G';2 r   HRS. ON	d stage (top job Nov. 20, 2011	), 100 sx #15.8 WITH	No	M3 CEMENT				
0000 0415 1000 1545 1600 1800 1830 2245 2300	0415 1000 1545 1600 1800 1830 2245 2300 2400	PU tricone to Mix & pump Trip, LD 5 jt Mix 100 bble Pump and s Mix 100 bble Pump pill, fu	gel sweeps, s s DP s Hi vis (49)L0 pot across ar s Hi vis (49)L0	nole, fill at 310 worked pipe a CM (6%), KCL inulus. Partia CM (6%), KCL ir pumping 40	nd got free. . (3% to 4%)p I returns after . (3% to 4%)p	65 bbls						

T/ Ferron 3660. TD, 4300'

WT. OF STRING

WT. OF D.C. Weather: Clear, cold and high winds

	ERBIRD ROY	GORDEN CI	REEK ST SW 7	-14-8	DAILY	DRILLING RE	PORT LOCATION: WELL LICENCI	E: AP	CARBON CO	UNTY, UTAH		
IPERVISOR		CHUCK WA	LTER		-		REPORTING TO	O:	BARRY BRU	MWELL		
ELLULAR# PUD DATE: R. DATE: ONTRACTO ST. T.D:			NOV: 18,2011 IOV 15, 2011 VERS	CBM#100			A.F.E. #: DAILY COST: CUM. COST: AFE EST (D&A	);		0,215 :2,173 (D&C):		
	DAY:	12	T I	REPORT DATE	Nov. 28,2011	STATUS 06:0			I	Building mud volum	е	
	DEPTH: SURVEYS:	4050	PROG:	100	KB;	7542,30	GL:	7529.30		MACP:		
	SURVETS:		<u> </u>					ur Paris Vision				
	MUD TYPE:	Gel	WT:	8.7	VISC:	45+	28-Nov-11 WL:		PH:		FC:	
	ADDITIVES:		30	See Leanne (1910e)								
ВІТ	SERIAL#	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GR/	ADE
4	135614	7.875	Veral	ETD18	3 X 20	20 - 25	75	100	10.25	9.8		
Street Bases												
The second second second	PUMP:	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL		
	kJ F-100 kJ F-100	Triplex Triplex	6" 6"	7"	102	234	475					6.00 - 0.00 - 0.00 - 0.00
	DRILLING ASSE						TIME DISTRIBU	<u>JTION</u>		LD.D.S.:		
	TOOL		OD	ID.	LENGTH 1.00		RIG TO SPUD: WELD ON BBL:		7	LOGGING: CEMENT:		
	Bit, PDC Bit Sub		7.875 6.25	2.25	3.00		RIG SERVICE:			WAIT MOVE		
	9 DCs		6.25	2.25	271.86		SURVEY: PRESSURE TEST:			WOC: RUN CSG:		
							DRILL: HANDLE TOOLS:			DST: TRIP:		
							CIRCULATE:		12.75	WAIT ON:		
							NIPPLE DN BOP: DRILL OUT:			WELD BOWL DIR: WORK:		
	1						REAM: SAFETY MEETING			PASON SUP LINE:		
	<u> </u>		-				STUCK & FISH:		ž	WORK CON:		
				TOTAL	275.86		RIG DOWN TIME Rig Out			Other Nipple Up	1.00	
	LAST CASING S				<b>-</b>	l.	TOTAL HOURS:		24.00	Q and	CSG.	
	RAN LANDED AT	20 906,00	_JTS MKB.	8.675 TOTAL LEN	In. GTH	24 906.00	lbs/ft METERS.	LT&C	_	8 md	usu.	
	<b>CEMENTED WIT</b>	н	1 st stage, 400	sx #15.8, 'G';2 i	nd stage (top job Nov. 20, 2011	), 100 sx #15.8 WITH	No	M3 CEMENT	RETURNS.			
	PLUG DOWN AT LOGS RUN		0145	HKS. UN	1404. 20, 2011	,,,,,,,	100					
REMARKS												
0000	1245	Wash & rea	am f/ 3100' to 3	3950'								

T/ Ferron 3660. TD, 4300'

WT. OF D.C.

WT. OF STRING

Weather: old & clear

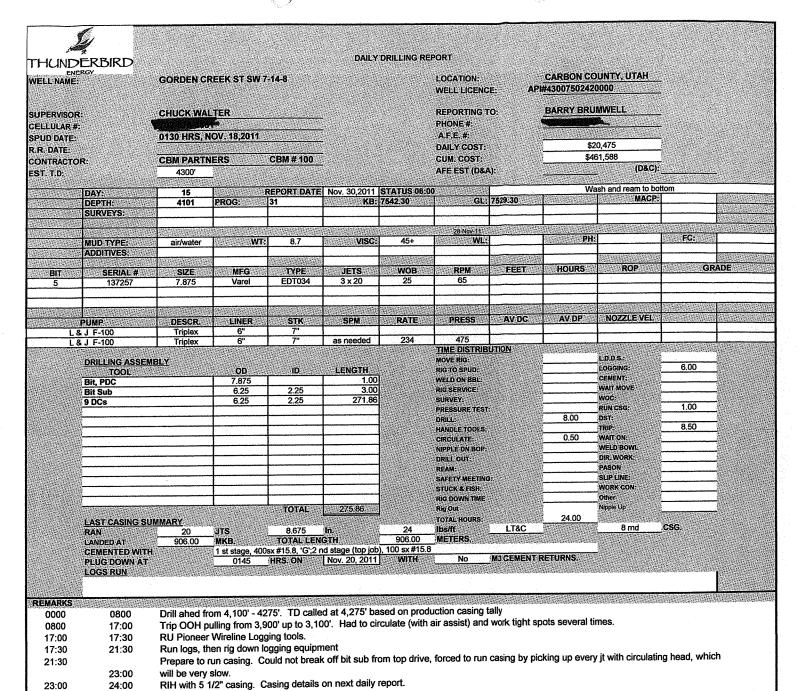
THUND	ERBIRD	1 1 1 1 1			DAILY	DRILLING RE	PORT					
WELL NAME:		GORDEN CF	REEK ST SW 7	-14-8			LOCATION: WELL LICENCE	E: ĀF	CARBON CO	UNTY, UTAH DOOO		
SUPERVISOR CELLULAR #:		CHUCK WAL	TER		_		REPORTING TO	O:	BARRY BRU	MWELL		
SPUD DATE: R.R. DATE:		0130 HRS, N 2400 HRS N	OV 15, 2011				A.F.E.#: DAILY COST:			2,365 14,538		
CONTRACTO EST. T.D:	R:	CBM PARTN 4300'	ERS -	CBM#100	-		CUM. COST: AFE EST (D&A	):		(D&C):		_
	DAY: DEPTH: SURVEYS:	13 4070		REPORT DATE 20	Nov. 29,2011 KB:	STATUS 06:0 7542:30		7529.30	Wa	sh and ream to bot MACP:	tom	
	MUD TYPE:	air/water	WT:	8.7	VISC:	45+	28-Nov-11 WL;		PH:		FC:	
BIT	ADDITIVES: SERIAL#	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	G	RADE
5	137257	7.875	Varel	EDT034	3 x 20							
L8	PUMP J F-100 J F-100	DESCR. Triplex Triplex	LINER 6" 6"	STK 7" 7"	SPM as needed	RATE 234	PRESS 475	AV DC	AV DP	NOZZLE VEL		
	DRILLING ASSEMI TOOL Bit, PDC Bit Sub		OD 7.875 6.25	ID 2.25	LENGTH 1.00	l	TIME DISTRIBUTION OF RIG. RIG TO SPUD: WELD ON BBL: RIG SERVICE:	<u>ution</u>		LD.D.S.: LOGGING: CEMENT: WAIT MOVE WOC:		
	9 DCs		6.25	2.25	271.86		SURVEY: PRESSURE TEST: DRILL: HANDLE TOOLS: CIRCULATE: NIPPLE DN BOP:		0.50	RUN CSG: DST: TRIP: WAIT ON: WELD BOWL	11.75	
							DRILL OUT: REAM: SAFETY MEETING STUCK & FISH:	•		DIR. WORK: PASON SLIP LINE: WORK CON:	1.00	
	LAST CASING SUI	<u>/////////////////////////////////////</u>	JTS	TOTAL 8.675	275.86 In.	24	RIG DOWN TIME Rig Out TOTAL HOURS: Ibs/ft	LT&C	24.00	Other Nipple Up 8 md	CSG.	
	LANDED AT CEMENTED WITH PLUG DOWN AT LOGS RUN	906.00	MKB. 1 st stage, 400	TOTAL LEN	IGTH nd stage (top job Nov. 20, 2011		METERS.	M3 CEMENT	RETURNS.	-		
0000 0030 0800	0030 0800 1115	Increase air	, building volu	to regain cir	eeps and work culation					han he was instr		
1115 1215 1315 1415	1215 1315 1415	Remove rote Pour diesel	eme u-tubing o ating head. into drill pipe t plug bit. Cha	of wellbore fluore fluore fluore try and unlinger bit and b	uids into pipe t oad it - not su oit sub. INSTA	hru drill bit.   cessful. ALL FLOAT -	Bit plugged ins  PREVIOUS B	tantly. Blee HA DIDN'T	d off pressure.  HAVE A FLO	AT AS ONLY BI		
2115	2115 2400		<b>FOR HAS WA</b> # 5 TO 1937'.		FUR KEPAIN	. DIL #4 SI	nowed pretty se	svei uamage	ON Z OUNGS.			

T/ Ferron 3660. TD, 4300'

DAILY DRILLING REPORT THUNDERBIRD WELL NAME: CARBON COUNTY, UTAH **GORDEN CREEK ST SW 7-14-8** LOCATION: AP#43007502420000 WELL LICENCE: BARRY BRUMWELL **CHUCK WALTER** REPORTING TO: SUPERVISOR: PHONE #: CELLULAR#: 0130 HRS, NOV. 18,2011 A.F.E. #: SPUD DATE: \$26,575 R.R. DATE: DAILY COST: \$441,113 CUM. COST: CBM PARTNERS CBM # 100 CONTRACTOR: (D&C): AFE EST (D&A): EST. T.D: 4300 Wash and ream to bottom REPORT DATE Nov. 29,2011 STATUS 06:00 31 KB: 7542:30 GL: MACP: 4101 PROG: SURVEYS: PH: FC: WT: VISC: 45+ WL MUD TYPE: air/water ADDITIVES: HOURS ROP GRADE FEET JETS WOB RPM BIT SERIAL# SIZE MFG TYPE 65 25 137257 7.875 Varel EDT034 3 x 20 AV DC AV DP **NOZZLE VEL** RATE SPM PRESS DESCR. LINER STK PUMP L&J F-100 Triplex 234 as needed L&J F-100 TIME DISTRIBUTION LD.D.S.: MOVE RIG: DRILLING ASSEMBLY LOGGING: ID RIG TO SPUD: LENGTH TOOL CEMENT: 1.00 WELD ON BBL: Bit. PDC 7.875 WAIT MOVE 6.25 3.00 RIG SERVICE: **Bit Sub** 271.86 SURVEY: 9 DCs 2.25 PRESSURE TEST: RUN CSG: 4.00 DST. DRILL: 13.50 HANDLE TOOLS: TRIP. WAIT ON: CIRCULATE: WELD BOWL NIPPLE DN BOP DIR. WORK DRILL OUT: REAM: SAFETY MEETING: SLIP LINE: STUCK & FISH: WORK CON RIG DOWN TIME 6.50 TOTAL Rig Out Nipple Up TOTAL HOURS 24.00 LAST CASING SUMMARY CSG lbs/ft LT&C 8 md 8.675 20 JTS TOTAL LENGTH MKB. 906.00 METERS. LANDED AT 906.00 1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8 0145 | HRS-ON | Nov. 20, 2011 | WITH CEMENTED WITH M3 CEMENT RETURNS No PLUG DOWN AT LOGS RUN REMARKS

0000	0900	RIH from 1937' - 3556', circulating with air thru tight spots several times.
0900	1530	Hydraulic hose on top drive failed - no replacement on location. Wait on one to be made in Price and be delivered out to location.
1530	2000	Wash and ream into hole from 3,556' - 4,058' (well depth was adjusted to 4,058' as 4,070' was incorrect)
2000	2400	Drill ahead from 4,058' - 4,100'. Drilling very hard rock, bit bouncing erratically.
2.000	2-400	Difficultural form form form

T/ Ferron 3660. TD, 4300'



T/ Ferron 3660. TD, 4275'

, A.												
	ERBIRD Ergy	GORDEN CE	REEK ST SW	7-14-8	DAILY	DRILLING RE	PORT  LOCATION:  WELL LICENC	E: AF	CARBON CO 9#43007502420	UNTY, UTAH		
SUPERVISOR CELLULAR # SPUD DATE:		CHUCK WAI			-		REPORTING T PHONE #: A.F.E. #:	Ö:	BARRY BRU	MWELL		
R.R. DATE: CONTRACTO EST. T.D:		CBM PARTN 4300'		CBM # 100	- - -		DAILY COST: CUM. COST: AFE EST (D&A	<b>)</b> :	100 marsh 100 mm	95,305 56,893 (D&C)	-	
	DAY: DEPTH: SURVEYS:	16 4275	PROG:	REPORT DATE		STATUS 06:0 7542:30		7529.30	Wa	sh and ream to bo MACP		
	MUD TYPE: ADDITIVES:	air/water	W1	r: 8.7	VISC:	45+	28:Nov-11 WL:		PH:		FC:	
<b>BIT</b> 5	SERIAL # 137257	\$IZE 7.875	MFG Varel	TYPE EDT034	JETS 3 x 20	<b>WOB</b> 25	RPM 65	FEET	HOURS	ROP	(GR	ADE
	PUMP & J F-100	DESCR Triplex	LINER 6"	STK 7"	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL		
	& J F-100  DRILLING ASSEM TOOL Bit, PDC	Triplex	6" OD 7.875 6.25	1D 1D 2.25	LENGTH 1.00		475 TIME DISTRIB MOVE RIG: RIG TO SPUD: WELD ON BBL: RIG SERVICE:	UTION		LD D.S.: LOGGING: CEMENT: WAIT MOVE	3.00	
	Bit Sub 9 DCs		6.25	2.25	271.86		SURVEY PRESSURE TEST DRILL: HANDLE TOOLS: CIRCULATE:			WOC: RUN CSG: DST: TRIP: WAIT ON:	14.00	
							NIPPLE DN BOP: DRILL OUT: REAM: SAFETY MEETING STUCK & FISH:	r		WELD BOWL DIR: WORK: PASON SLIP LINE: WORK CON:		
	LAST CASING SU	MMARY 103	JTS	TOTAL 5.5	275.86	17	RIG DOWN TIME RIG Out TOTAL HOURS: Ibs/ft	LT&C	7.00 24.00	Other Nipple Up 8 md	CSG.	
	LANDED AT CEMENTED WITH PLUG DOWN AT LOGS RUN	4233.46	MKB. See below 16:49	TOTAL LEN		4233.46 WITH	METERS. No	M3 CEMENT	RETURNS.			l
REMARKS 0000		RIH with 10	2 jts of 5 1/2	', 17 #/ft, N-80	, LT&C produ	ction casing	Tagged hard	at 4,252' KI	B. Could not w	ork casing downts. Land with S	n any further. Seaboard hand	per.
1400	1400	RU Superio	r cementers	and cement pr	oduction casi #/sk Super Fla	ng with 475 : ake + 3% Su	sax of Premium per GR mixed	n Class "G" o at 10.7 PPC	cement + 0.2% 3 (yield = 2.39	5 Air-Out + 40% cu*ft/sk, water : IROUGHOUT J	Superball + = 8.23 gal/sk)	<b>,</b>
1700 2000	1700 2000 24:00	Displaced w Remove car Rig out tear	sing landing	i ireasii water. jt. Remove blo	ooie line and r	nipple down l	BOPs. Install r	night cap on	wellhead.		·	

CASING BOTTOM = 4233.46' FLOAT COLLAR = 4187.55' Marker jts at 3,980' and 3,636'

RIG RELEASED AT 24;00 HRS 12/01/2011

T/ Ferron 3660. TD, 4275'

(5/2000)

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OUR CAS AND MINING



FORM 9

Ľ	DIVISION OF OIL, GAS AND WILL	VIIVG	ML-46537
	THE STATE OF THE S	ONWELLS	6 IF INDIAN ALLOTTEE OR TRIHL NAME
	NOTICES AND REPORTS	en hekom-hold depilit, leen(or piugged we	7 ONE OF AGREEMENT NAME
Do not use this form for proposals to only no doll horizontal lat	rw wells, significantly disopen extends was below com- orals. Use APPLICATION FOR PERMIT TO DRILL is	arm for such proposals.	8 WELL NAME and NUMBER
1. TYPE OF WELL OIL WILL	GAS WELL OTHER_		GORDON CREEK SW-7-14-8
2. NAME OF OPERATOR			9 API NUMBER
GORDON CREEK, LLC.			4300750242 10 FIELD AND POOL OR WILDGAL
3. ADDRESS OF OPERATOR		84501 (403) 453-1	
1179 E. MAIN, #345	PRICE UT NO	84501 (403) 435-1	
4. LOCATION OF WELL			COUNTY CARBON
FOOTAGES AT SURFACE 833' FS	SL & 2011' FWL		
OTR/QTR, SECTION, TOWNSHIP, RANG			STAIF
OUT ON ADDRESS	ROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE,	REPORT, OR OTHER DATA
	TOPRIATE BOXES TO INDICE.	TYPE OF ACTION	V
TYPE OF SUBMISSION		DECPEN	REPHHEORATE CURRENT FORMATION
NOTICE OF INTENT	ACIDIZE	FRACTURE (REAT	SIDE TRACK TO REPAIR WELL
(Submit in Duplicate)	ALTER CASING	NEW CONSTRUCTION	TEMPORARILY ADANDON
Approximate date work will staff	CASING REPAIR	LI	TURING REPAIR
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	VENTOR CLARE
	CHANGE TUBING	PLUG AND ABANDON	WATER DISPOSAL
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	L-1
(Submit Onginal Form Only)	CHANGE WELL STATUS	PRODUCTION IS LART/RESUME	·
Date of work completion.	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	<b>☑</b> OTHER <b>DRILLING REPORTS</b>
11/30/2011	CONVERT WELL TYPE	RECOMPLETS - DIFFERENT FO	DRMATION
	OMPLETED OPERATIONS Cloarly show all	periment dotails including dates, dep	oths, volumes, etc
12. DESCRIBE PROPOSED OR CO	JMPI LIED OF LIVE TO THE THE	VI V DRILLING REPORTS	S FOR THE SUBJECT WELL.
ATTACHED IS AN EXEC	UTIVE SUMMARY AND THE DA	AILY DRILLING MEI GIVIN	
SIGNATURE			<del></del> .
(MAINTON)			
(This space for State use only)			
fring allege (at a mine and a mine)			

(See instructions on Reverse Side)

RECEIVED AUG 1 0 2012

DIV. OF OIL, GAS & MINING

## EXECUTIVE SUMMARY REPORT

WELL:

**GORDON CREEK 5W-7-14-8** 

API#:

43000750242

COUNTY:

CARBON COUNTY, UTAH

SPUD:

01:30 HRS, 11/18/2011

OBJECTIVE:

To drill & complete as a Ferron Gas well

R.R.:

24:00 HRS, 12/01/2011

RIG CONTRACTOR:

CBM Partners Rig # 101

BIT INFORMATION:

TYPE	SIZE	DEPTH	DEPTH	KOT.	TOTAL
	(inches)	IN (ft)	OUT (ft)	HOURS	HOURS
Tricone PDC PDC Tricone	14 3/4	0	40	2.5	2.5
	11	40	907	15.5	18
	7 7/8	907	3990	60.75	78.75
	7 7/8	3990	4275	22.75	101.5

CONDUCTOR CASING:

HOLE SIZE:

14 3/4"

CONDUCTOR SET FROM:

to

40'

The 12 3 conductor pipe was run to 40' and cemented full length.

SURFACE CASING:

**HOLE SIZE:** 

11"

SURFACE CASING FROM:

907

Ran a total of 20 joints of 8 5/8", 24 #/ft, 1-55, ST&C casing landed at 906' KB. Cemented with 400 sks Class G coment mixed with 15.8 ppg. No returns. Top job through 1" jointed pipe with 100 sks Class G 15.5 ppg cement.

PRODUCTION CASING:

**HOLE SIZE:** 

7 7/8"

SURFACE CASING FROM:

4233.461

Ran a total of 103 joints of 5 ½", 17.0 #/ft, N-80, LT&C casing landed at 4,233.46' KB. Cemented with 474 sks Premium Class "G" + 0.2% airout, 40% Superball, 2% CaCl2, 1 % Super FL 300, ¼# Super Flake, 3% Super GR mixed at 10.7 ppg. Bumped plug, floats held, no cement returns. Marker joints at 3,980' and 3,636'.

PLEASE REFER TO THE ATTACHED DRILLING REPORTS FOR SPECIFIC DAILY WELL INFORMATION

RECEIVED AUG 1 0 2012

THUNDI MELL NAME: SUPERVISOR		GORDEN CRI CHUCK WAL	TER		DAILY		LOCATION: WELL LICENC REPORTING T PHONE#			JOOG WWELL		
EFFULAR # SPUD BATE: R.R. DATE: CONTRACTOR EST. T.D:		CBM PARTNE	ERS _	CBM # 100			A.E.E. # DAILY COST CUM. COST AFE EST (D&A	¥		(D&C):		
	DAY: DEPTH: SURVEYS:	1	PROG:		THE WALLE		GL			Prep to move rig		
	MUD TYPE: ADDITIVES: SERIAL#	ŞIZE	MT:	**************************************	VISC	WOB		liais igadykailia Vago F≡FPAC	HOURS	ROP		ADE
	PUMP / S	DESCR	LINER	piero Sipiero de la composición della composició	SPL	RATE			AV DP	NOZLEVEL		
	DRILLING ASSEMB	icy	GD.	lD	LENGTH		TIME DISTRIB MOVERIO RESTO SPUD WELD ON BRI- RIG SERVICE BURNEY	UFIQN	9.00	LDDS (paging) center: wat-move wat-		
							BURVEY PRESQUEETCST ONEL MANDLE TOOLS ORILL OUT			RUNCEG OST. TRE- TRE- DIR. WORK- PASON		
				TÖTAL	( programa i verze		REAM  SAFEIT MEETIN  STUCK'S FISH  RIC DOWN THE RIC DOWN THE RIC DOWN THE		3.00	SAIP LINE WORK CON- Other Napple Up		
	LAST CASING SUN RAN LANDED AT CEMENTED WITH PLUG DOWN AT LOGS RUN			TOTAL LEN		WITH	Kg/m METERS	N3 GEMENT	RETURNS		CSG,	
REMARKS 0000 0600 1800	0600 1800 2400	Waiting on d RD, 5 loads Shut down fi	movėd onto r Isylight		Camp moved		on new location		क्यकर्म (भार स्थायक <u>्</u> रातु			
1												
Weather	No.	WY OF D.C.		WT. OF STR	une					RECE	<del>WED</del> –	

L NAME:	RBIRD.	SORDEN CRE	ek stsw7.	14-6	DAILY		ORT LOCATION: WELL LICENCI	and the second	CARBON CO 43007502420		
ERVISOR: LULAR#.		CHUCK WALT					REPORTING TO PHONE# A.F.E.#;		BARRY BRUI	mvell.	
D DATE: DATE: TRACTOR: T.D:	Ī	CEM PARTNE		CEM # 100	17 <b>-Nov-</b> 11	etatis os bi	DAILY COST CUM. COST: AFEEST (D&A			(D&C): Prep to move rig	
	DAY: DEPTH: SURVEYS: MUD TYPE		PROG:				GL:				FC: 0
	ADDITIVES:	~49 <u>01767432.77</u> 5		TYPE	ું આદાઉ	MOB	ing p <b>rom</b>	iang pad Jaring Paga EE Paka	HOURS		GRADE
P	PUMP // A	DESCR	DELINER SA	STR	SPU	IO PATESIONI TOPORATESIONI LINEARINE TOTAL	PRESS		AVDF	NOZZLE VEL	
	DRILLING ASSEMB	<u>lex</u>	00	<b>ID</b>	LENGTH		MOVE RIG RIG 70 SPUD: WELD ON BBL! RIGSUNVICE BURVEY:		9.00	LDDS: LOGSING! CEMENT: WAT: NOVE WOC: RUNCEG:	
							RESSURE TO ST ORGIL HANDLE TO CLE CREDULATE NEPLE DA BOP DROLLOUT			OST. THE. WAIT ON: WELD GOWL DIR: WORK. PASON	
				TOTAL			REAM  SAFETY MEETIN  STUCK & FREM  RIC DOWN TIME  RIS ON  TOTAL HOURS:	<b>G</b>	3.00	SAIP LINE WEIRE CON: One Napis Co	CSG.
	LAST CASING SUN HAN LANDED AT CEMENTED WITH PLUG DOWN AT LOGS RUN		ATS MKB	TOTAL LEN		with	Kg/m METERS	N3 GEMENT	RETURNS		
MARKS 0000	i.	Waiting on o	daylight moved onto		, a equilibria	programmer or		and the			AND THE SECOND
0600		Shut down 1									
0600 1800	2400	Shul down f	O 14H								
0600		Shul down 1	or man								
0600		Shul down 1									
0600		Shut down 1									

WT OF STRING

WT OF D.C.

Weather:

LINDERBIF									. '		•	
コロンヒドロル	35				DAILY	ORILLING RE	PORT					
PNERGY			SEEV AT AU 7	44.0	4		LOCATION	i.	CARBON CO	UNTY, UTAH		•
NAME:		GOKDEK CK	REEK ST SW 7	-14-0			WELL LICEN	E: AP	#4300750242	1000		•
		out of the	TTO				REPORTING	ro:	BARRY BRU	MWELL		
RVISOR: ULAR#:		CHUCK WAL	IER .				PHONE#				<del>-</del> . ·.	٠.
DATE:	_	0130 HRS, N				100	A.F.E. # DAILY COST:				- · .	
DATE: "RACTOR:	7	CEM PARTN		CBM # 100			CUM. COST:	in ay 20	<u> </u>	(D&C):	· · · · ·	
T.D:				e Name in a second			AFE EST (D&	A):	1		T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<del>-</del>
DAY:		2	the second of the	EPORT DATE	18-Nov-11	STATUS 08:0 7542.30	0 GE:	7529:30	Moving	rig - 40% moved. MACP	0% RD	
DEPTH:			PROG:									77
		<del></del>		<u> </u>					PH		FC:	1 ***
MUDITY	PE:		WT:		VISC:		WL:		rn.			
ADDITIV	1.5			TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GF	ADE
SEF	RIAL#	SIZE	MFG	I I FE	, year (to							
								1. St 1. 12. 12 1	Paretes and the	** * / / / / / /	J. BANG	[3940.5,55
PUMP		DESCR	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL		7 3 3 4 5
Estati			-	4(		-			<u> </u>			
elin (1964) ni i i sy		12 m 1 m 1					TIME DISTRIE	<u>urron</u>	18.00	LODS	, 100 M 11 M	
<u>DRILLIN</u> Ti	G ASSEMB DOL	LY	00	(D	LENGTH		RIG TO SPUD:			COGGING:		-50.3
			<del> </del>				WELD ON 981 RIG SERVICE:			WAIT MOVE	6.00	
							SURVEY: PRESSURE TES	n i i i	·	MOC: RUN CBC:		-a
			<del> </del>				DRILL:			DST: TRUP		
			<del> </del> -	·			HANDLETOOLS CIRCULATE		"————	WAIT ON:	·	-
							MPPLE DN BOP DRILL OUT			WELD BOWL DIR: WORK		_
			<u> </u>				REAM: BAFETY-MEETIN		.;	PASON BLIP LINE:		- 1
ar en				.,			BTUCK & FISH:			WORK CON: Other	·	
	132,35	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOTAL	Programme (Berger)		Rio Out			Naple Up		
	ASING SUM	MARY	J15	9, 997 94	(ISI)	File No. Program	YOTAL HOURS:	iginiga yann 1993 T	24.00	-	CSG.	
LANDED			икв.	TOTAL LEN			METERS	tam keredi."				
	CWN AT			HRS. ON	1	WITH	es.	MI CEMENT	RETURNS.			
LOCE	<u>un</u>	.*			re la president	e e e e e e e e e e e e e e e e e e e	and the second of	ender of the sures				

<u> </u>											
THUNDERBIRD				DAILY	PORILLING RE	PORT	· .				
WELL NAME:	GORDEN CE	REEK ST SW	r-14-8			LOCATION:	TE• ΔP	CARBON CO	OUNTY, UTAH	-	
	A. # # # 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					REPORTING		BARRY BRU		•	
SUPERVISOR: CELLULAR#:	CHUCK WAL	JEK		<del>-</del>		PHONE#:	io;	تعديت		• - · · ·	
SPUD DATE: R.R. DATE:	0130 HRS, N			-		A.F.E. #: DAILY COST:		. <u>1939 (1939)</u> 	6,395	-	
CONTRACTOR:	CBM PARTN	ERS	CBM # 100	-		CUM. COST:	<b>ai</b> e	\$5	7,145 (D&C):		
EST, T.D:		<del>.</del>	REPORT DATE	10 Nov 44	STATUS OB:0					ating head	<u> </u>
DAY: DEPTH:	218	PROG:	218	KB:	7542.30	GL	7629.30	1 1200 1998	MACP:		
SURVETS:		<u> </u>	<u> </u>	, <u>ç</u> , , , , , , , , , , , , , , , , , , ,	<u> </u>		. 1944 J. 1944 N. 1948	0714 10211 1 1011		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ili savit 🛒 📆
MUD TYPE	serated water	WT:		VISC		WL:		PH:		FC:	
ADDITIVES:		- Carrier	1000	7/ 3/200	woe	RPM	FEEL	HOURS	ROP	GR	ADE
BIT SERIAL #	11	MFG Relip - rorun	TYPE	JETS :	8 - 10	80	218	7.5	29		
2	ا/ فحو	Shear	\$V 616	6 x 18	8-10 *(*)#**()#*();	2 559 state (#49)		10.7% Pri 3.4.5A	1989,211 9		(F), g(1, F) (V F)
PUMP CONTRACTOR	DESCR	LINER	STK	SPN	RATE	PRESS		AV OP	NOZZLE VEL	2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
L&J F-100 L&J F-100	Triplex Triplex	6"	7"				MIXION Josef et et	2000 S. C. C. C. C.	Talife di La Caracteria de la Caracteria	24 - A.A. NA.A	V/M/A7 * * * * * * * * * * * * * * * * * * *
DRILLING ASSEM						DIME DISTRIB MOVE RIG: RIG TO SPUD:			LDDS:		
TOOL Bit, 9.25" PDC	swa ma a a	9.25		LENGTH®		WELD ON 881.			CEMENT:	3.00	-4
X O 9 DCs		6,25	2.75 2.25	5.21 277 27		RIG SERVICE: SURVEY		1.50	WOC. RUN CS6:	3.50	
			,			PRESSURE TEXT DRILL:		7 50 4.00	DST:		
						HANDLE TOOLS CIRCULATE		4.00	WAIT ON: WELD BOWL		
						NIPPLE DN BOP DRILL OVT:		:	DIR WORK: PASON		
		<u> </u>				REAM: BAFETY MEETING			BUPLINE: WORK CON:		
reference (vier) ;; control of vier :				_		STUCK & FISH: RIG DOWN TIME			Other	1.0D 3.5D	• • (
LAST CASING SUI			TOTAL	284 18		Rig Cirk TOTAL HOURS:		24 OD	<b>Мирріе</b> Ур	73 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
RAN LANDED AT	·	JTS MKB.	TOTAL LEN	mm GTH		Kg/m METERS	Militaristiski prima i kontrali.	, N. T. Arthritischer (s Promitischer Albert (s	41, 2	CSG.	
CEMENTED WITH PLUG DOWN AT			HRS. ON		with		M3 CEMENT I	RETURNS			
LOGS RUN				AT Herist des	The Charlest by	चित्र विभिन्निक्त्यः । -		r fill Ann ann a	Mary Mary Automore	in marila a la la la sett	
REMARKS		<del>.</del>		e in this type to get		N. Stranger (1997)	wang pagara	94 3.40 J.5	arrigo .	7 7 × 34.	
0000 0130	Rig up - prep	p to spud - ha	ul water								
0130 0400 0400 0700	LD bit, coner	bit. Drill to	40								
0700 1200 1200 1300	PU conducto	or, wark dawi	n to 40' ભા/yds ready	mix grout							
1300 1400	Rough cut o	onductor. Me	asure and fin	al cut conduc	tor.						
1400 1630 1630 1730	PU II" bit	, bit sub and I	RU blooie line DCs.								
1730 1900 1900 0000	Testjäll air li Drill/to 218'	nes with high	and low pres	รูบเ <del>อ</del>							
1900 0000	Diaglo 210										
,											
											İ
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İ											

ا المعدر							naco#					
THUND WELL NAME:		GORDEN CI	REEK ST SW 7-	-14-8	DAILY	r drilling Ri	EPORT LOCATION:			HATU, YTMU	-	.·.
TIPE- HUNE							WELL LICENCE	E AF	H#4300750242	- · ·	-	
SUPERVISOR		CHUCK WA	LTER		_		REPORTING TO PHONE #:	);	BARRYBRU	MWELL		
CELLULAR# SPUD DATE:		0130 HRS, N	OV. 18,2011		<del>-</del> -		A.F.E.#: DAILY COST:		53	3,860		
R.R. DATE: CONTRACTO	Ŗ:	CBM PARTA	(ERS	CBM # 100	<b>-</b> -		CUM. COST.			13,918 (D&C):		
EST. T.D:	; /'	4000'±	_			lore min ne.	AFE EST (D&A)	۴ <u>.</u> ــــنـــــ	<del></del>	Waiting on cemen		
	DAY: DEPTH:	907	PROG:	EPORT DATE 689		STATUS 06: 7542.30		7529.30	-	MACP:		
	SURVEYS:	1 degree @ 600 1 degree @ 90				<u> </u>	<del>                                     </del>	7 1 1				· , · , ·
	MUD TYPE: ADDITIVES:	air/water_	WT:		Visc:	<u> </u>	WL		PH:		FC:	
BIT	SERIAL#	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	RQP		ADE .
2	TJ 20990	925	shear	sv 616	6 x 18	10	75	689	10	58.9	No wini s	n qenyella
Physical Later		11	7		1000					NOZZLE VEL		
		DESCR. Triplex	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	. NOZZEE VEL		
	J F-100	Triplex	6		L		TIME DISTRIBL	<u>rtion</u>	North State		, ,	
	DRILLING ASSEME	BLY.	OD	ID	LENGTH		MOVE RIG: RIG TO SPUD:		· <del></del>	LOGGING:		
	Bit, PDC X - O		9.25'	2.75	1./0 5.21		WELD ON BBL: RIG SERVICE: SURVEY:		1.00	WAIT MOVE		
	9 6.25 DCs		6 25	2.26	277.27		PRESSURE TEST		10,00	RUN CSG: DST:	1 50	
					14.		HANDLE TOOLS:		2.50 1.50	TRIP:	2.00	
							MPPLE DN BOP		·	WELD BOWL DR. WORK		
			,, y ··				REAM: AAFETY NEETING:			PASON SLIP LINE:		
							ATUCK & FIEH:		2.50	WORK CON: Other	3 00	
			<del></del>	TOTAL	284.18		Pig.Out. TOTAL HOURS:		24 00	Niepie Up		
	LAST CASING SUI RAN	20	_JTS	8 G75 TOTAL LEN	min Fran	908.82	Kg/m METERS.	ST&C	-	8 rd	CSG.	
	CEMENTED WITH	906.00	_MKB.	HRS. ON		WITH	<del></del>	M3 CEMENT	RETURNS.			
	PLUG DOWN AT LOGS RUN			HKS. OIV			V			•		
			· · · · · · · · · · · · · · · · · · ·					erej a a e	1		<del></del>	
REMARKS 0000	0100	Drill I/ 218' t						•				
0100	0200 0300	Repair air si Drill f/ 277 ti								ι		
0300 0430	0430 0645	Repair rotat Drill # 371 t	ing head eleme o 506	ent								
0645	0745	Wireline su	rvey@0,506,1	degree								
0745 1400	<b>1400</b> 15 <b>3</b> 0		de clean, wireli		900', 1 degre	ee (repaired	l geolograph line	a)				
1530 1730	1730 1830		Il string for cas & prep to run o									
1830	2000	Move csg o	n pipe rack	riva far cunci	ino casino							
2000 2230	2230 2400	MU shoe,	shoe jt, collar a	nd run 8.675	5" casing. Se	e surfaçe ca	sing details for (	placement o	of stablizers &	cement baskets		
		Do not have	e all trucking co	osts at this ti	me.							
	Cotd. no wind Milk	WT OF D.C.	andards	WI OF STR	INC							

	<i>Sy</i>	<u> </u>										
	DERBIRD				DAIL	Y DRILLING RE	PORT					
WELL NAME		GORDEN CI	REEK ST SW	7-14-8			LOCATION: WELL LICENC	E AF	CARBON CO 4#4300750242	DUNTY, UTAH 0000	- -	
SUPERVISO	JR.	CHUCK WAI	LTER				REPORTING T	TO:	BARRY BRU	IMWELL	- -	
CELLULAR SPUD DATE	er .		IOV. 18,2011	Marie Company	<u>-</u>		PHONE#		STATE VIVE		<del>-</del>	
R.R. DATE: CONTRACT	OR:	CBM PARTN	IERS	CBM # 100	<u>-</u>		DAILY COST: CUM. COST:			22,890 35,318	- -	
EST. T.D:		4000'±			4	TOTA THE AC	AFE EST (D&/	N:		(D&C)		
enter persent enter consider	DAY: DEPTH: SURVEYS:	907		O'	Nov. 21, 2011 KB		GL:	7529.30	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip in hole MACP	f	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ar an agent francis) Septimoral distriction	SURVEYS						1990 1 2 90 1			The state of the s		
	ADDITIVES:	Water/eir	WT:		VISC		WL		PH:		[5] VFC: (5)	4.1
ВП 3	SERIAL# 1J 0569	<b>SIZE</b> 7 875	MFG Shram	TYPE SM 616	JETS 6 x 20	WOB	RPM (A)	FET	HOURS	ROP	to the G	RADE
		9	Contraction			Maria de Caracteria de la compansión de la compansión de la compansión de la compansión de la compansión de la	i y garagayik	site on in the site	AV DP	NOZZLE VEL		1, 5 - 100
	EUMP &J F-100 &J F-100	Triplex Triplox	6 6	7 7	SPM	RATE	PRESS	AV DC	, ag <b>Ag OF</b> acta			344   64   A 154   3   62   154
100 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	DRILLING ASSEMI						TIME DISTRIB	<u>UTION</u>	ila jakkali jara ja	LOOR:		
	TOOL Bit #3, PDC		OD . 7 875	, IID	LENGTH		RIG TO SPLID WILD ON SPL	THE SHEET	1.00	LOGGING: CEMENT: WAIT MOVE	2.50	
							RIG SERVICE: BURVEY: PRESSURE TEST		1.75	WàC RUN CSG:	4.50 1.00	
	<u> </u>						OREL HANDLE TOOLS:			DST:: TRUP:	1.25	
				415	# 142-		CIRCULATE NIPPLE DW BOR			WAIT ON: WELD BOWL DIR WORK		
							URRIL OUT: REAM: BAFETY MEETING			PASON SUPUNE	·	
	74 74 77						STUCK & FISH: RIG DOWN TIME			WORK CON: Other	5.50	
	LAST CASING SUI						Rig Out TOTAL HOURS:		24.00	Neople Up	6.50 <b>C</b> 5 <b>G</b> .	
	RAN LANDED AT		MKB.	8.675		906.00	Kgim METERS	ST&C		B md		
	CEMENTED WITH PLUG DOWN AT LOGS RUN		0145		Nov. 20, 2011	WITH	No	M3 CEMENT				
			•									
REMARKS 0000	010 <b>0</b>	Continue to	nun 8 675" 24	. њи п45 S	T&C 8 md c	ssino Lande	d 620 905" sbr0	oe @085/'. ca	entralizers eve	ry ather it., CB	@ 500' & 30	)' dataila
0100 0330	0330 0800	RU cement of WOC - rig to		9x 'G' 15.8# :	cement. No r	eturns. Top p	OD W/ 100 \$X*	Ģ'15.5# ¢eπ	ient. Cement	10' f/ top. See s	шт сетепт	Jelans
0800 0900	0900 1030	Rig service Prep cellar fo	or welder									
1030 1630	1630 2200	Weld on cas	ing flange. (F	1								
2200	2345	Test BOP c	hoke lines & r	nanifold, blind	g ram, kill line nol upon colp	, kill valve pip letion of testi	oe ram & inside na.	e valve safet	y valve, & upp	er kelly valve to	2500 psi h	igh
2345	2400		w/ 7,875" PDC				· ·					
		Note: Nippli	ng up BOP is	usied as 'olfic	er under time	u1811 1000071.						
		WT OF D.C		WT, OF STRIE	NG							
Weather:	Cold, clear, no wind											

,4			•		nae v	DRILLING RE	PORT					
	DERBIRD	GORDEN CE	KEEK ST SW 7	-14-8	DAIL		LOCATION: WELL LICENO	AP	CARBON CC	DUNTY, UTAH 0000		
SUPERVISOR CELLULAR / SPUD DATE: R.R. DATE: CONTRACTO EST. T.D:		CHUCK WAL 0130 HRS, N CBM PARTN 4000+	OV. 18,2011	CBM # 100			REPORTING 1 PHONE #: A.F.E. #: DAILY COST: CUM: COST: AFE EST (D&)	ro:	BARRY BRU \$4 51	MWELL		
		6 967		REPORT DATE	Nov.22, 2011	STATUS 06:0	Q.	7529.30		Orilling ahead 247	6'	
	DEPTH SURVEYS:	30/										
7. 24. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	MUD TYPE:	air/water	WT:		Visc		WL:		PH:		FC	
<b>E</b> IT 3		<b>SIZE</b> 7.675	MFG Shram	TYPE SM 616	JET5 6 X 20	WOB.	<b>RPM</b> 90	FEET (S 67	4.5	<b>ROP</b> 20	GR	ADE
galler til skrivet. L	PUMP 8.J F-100	DESCR Tripleox	LINER 5 6	9 (STK )	SPM	RATE		AV DC	AV DR	NOZZLE VEL		e Kupu selak di ji Malak di Salah
	BJ F-100 DRILLING ASSEMI TOOL		. The second of the second of	<b>P</b>	LENGTH 1.00		TIME DISTRIB MOVE RIG: RIG TO BPUD: WELD ON BBL	UTION		L.D.D.S.; LOGGING CEMENT		
	Bit Sub 9 Drill Collars		6.25 6.25	2,25 2,25	3.00 277.07		RIG BERWEE SURVEY: PRESSURE TEST DRULL:		0.50 4.50	WAIT MOVE WOC: RUN CSG: PST TRIP	8.50	
				4.07			HANDLE TOOKS CROULATE! MPPLE ON BOP- DRILL GOT: REAM!		2.50	WAIT ON: WELD BOWL DIR: WORKS PASON:		
		2.79		TOTAL	281.07		SAFETY MEETING STUCK A FIBRE PAG DOWN TIME Reg OLD	1:	3,00	SLIP LINE: WORK CON: Offer Nipule Up	2.00 3.00	
	LAST CASING SUI RAN LANDED AT CEMENTED WITH	907 00	JTS MKB	8.675 TOTAL LEN	mm	908.00	TOTAL HOURS: KOIM METERS.	ST&C	24.00	8 end	csq.	
	PLUG DOWN AT LOGS RUN		Table Williams	HRS. ON	1							
0000 0300 0600 0700 0930 1200 1500 1530 1600 1900 2000 2115	0030 0600 0700 0930 1200 1500 1500 1600 1900 2000 2115 0:00	Prepared to POH ND rotating RIH to 756', Drill cement Rig service Rig repair. RU rig wate Orill cement	ine nent @ 756' (! turn on air. B head. Remove	ed'high) todie line wa: 3 riser (low s not working 5 to drill w/ ai	s to high and l vers blooie line J. ir water.	not orientate				BOP stack NL	) blooie line.	
		Today's cos	t include lease	e acquisition (	(\$15999) and	şurveying (\$	7000) costs					
Woather	··· Cold, low 20s	WT. OF 0 C		WT OF STRI	ING							

غهر ا	Sp. Control of the Co				DAIL	Y DRILLING RE	PORT					
WELL NAME:	ERBIRD	GORDEN CF	REEK ST SW	-14-8			LOCATION:	cie: Ai	CARBON CO	DUNTY, UTAH		
SUPERVISOR CELLIILAR # SPUD DATE: R.R. DATE: CONTRACTO		CBM PARTN	OV 18,2011	CBM#100			REPORTING: PHONE # A.F.E. # BAILY COST: CUM. COST: AFE EST ID&	7 <b>0</b> :	BARRY BRI	22,907 01,850		
EST. T.D:	DAY:	4000°± 7 2748		REPORT DATE	Nov 23, 2011	STATUS 06:0	กระห์หายหนึ่ง เพ		· 医皮肤 医红色		97°	<u>(), 4 (), 5</u>
	SURVEYS:	1.75 @ 1414 1.5 @ 2006	yl ydy ydd		tona and a second			. 4,43	adron isade	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	MUD TYPE: ADDITIVES:	Air/water Air	1750 SCFM		VISC	WOB	WE:	JOSEPH CONTRACTOR	HOURS	Right Beattwales, S	AUFC: (AC	DE CO
3	SERIAL # TJ 0569	5IZE 7.875	Shrun	SM 616	6 x 20	11 to 12	85 - 95	1109	23	48.0	- GR	
L.8	PUMP L J F-100 k J F-100	DESCR. Triplex Triplex	LINER G" 6"	7"	<b>SPM</b> 12	RATE 33 gpm	550	AV DC	AV DP	NOZZĽE VEL		
	DRILLING ASSEME (TODL) PDC Bit	Pirit G. Belle	<b>OD</b> 7,875	100	LENGTH 1.00		TIME DISTRIB MOVERIG RIG TO SPUD WELD ON BELL	<u>ипом</u>		LDD 8: LOGGING: CRMENT: WAIT MOVE		
	Bit Sub 9 DCs		6.25 6.25	2.25 2.25	277 07		RIB BERVICE: SIMUEY PRESSURE TEST OREL HANDLE TOOLS		23.00	WOC: RUN CSO: DST: TRUE:		
				x = 11 · p			CIRCULATE: NIPPLE DN BOP! DRALL OUT: REAM;			WAIT ON: WELD BOWL DIR WORK: PASON		
		· · · · · · · · · · · · · · · · · · ·					SAFETY MEETING STUCK & FISH: RIG DOWN TIME			SUPLINE; WORK CON: Other		
	LAST CASING SUM RAN LANDED AT	20 906.00	JIS MKB	TOTAL 8,675 TOTAL LENG	(n. GTH	24 906.00	RIVOR TOTAL HOURS: IDUM FEET	LT8C	24.00	Мр≱е ∪р 8 глd	CSG:	
	CEMENTED WITH PEUG DOWN AT LOGS RUN Nona		1 st stage, 400: 0145	HRS: ON	Nov. 20, 2011	WITH	: No		TURNS:			
REMARKS 0000 1203 0130	1230 0130	Drill formatio Wireline sun	n f/ 967' to 20 rey @ 2006 - n f/ 2016' to 2	16 <b>'</b> 1.0 <del>'</del>								
Weather	Mild, sunshine, no w	ind										

	Eu -											
THUND	ERBIRD		•		DAIL	Y DRILLING RI	<b>PORT</b>	; ".				
WELL NAME		GORDEN CI	REEK ST SW	7-14-8		egy, p	LOCATION	* Programme and the second	THE RESERVE THE PARTY OF THE PA	OUNTY, UTAH	<u> </u>	· · · · · · · · · · · · · · · · · · ·
						) 1 A 4	WELL CICEN	CE: AF	W430075024	10000		
SUPERVISOR		EHUCK WA					REPORTING	TO:	BARRY BRI	MWELL		
CELLULAR # SPUD BATE:	8	0130 HRS, N	OV: 18,2011		<del>-</del> 40	e e	PHONE #:	eres Constant	1			
R.R. DATE:		2400 HRS N	OV 15, 2011	CBM # 100	-		DAILY COST		·	38,869 40,519		
EST. T.D:	IK.	4309' +		CHAIR TOU	<b>-</b> √		AFE EST (D&	A):				garan da da da da da da da da da da da da da
	DAY:	8 B		REPORT DATE						Orilling ahead @ 37		<u> </u>
taga ta sadawa Malay 2a - Ast	DEPTH:	3525 2.5 m 3000	PROG:	. 779	KB:	7542.30	GL	7529:30		MACP		<u></u>
e de deligio e de la gra	ing a late of the state of the	3 @ 3505	Carlotte Newson				7 10 U. 1 10 10 10 10 10 10 10 10 10 10 10 10 1			- 1300 San 1880		1 . S
	MUD TYPE:		WT		VISC:		WL		PH PH		FC:	
	ADDITIVES:	Air	374 प्रकात					35777552.47		7. 4 - N. 1916 B. 10 - A		affire da casa
. 1923 <b>- BIT</b> #113.51 3	SERIAL#	\$IZE 7,875"	MEG Shrom	SM 616	6 x 50	11 to 12	85 to 95	779	HOURS 13.5	57.7	GR	ADE DE SELECTION
The state of the s	PUMP		LINER	STK	SPM	RATE	PRESS	AV DC		NOZZLE VEL	y is well his source in the first of the sine	
L 6	J F-100	xelqinT xelqin'i	6" 6"	7"	72	198 gpm	529 psi					
		AND METALIKAT					TIME DISTRIB	NOTU	N. Salahara Yan di	LDDS		W. W. J.
	DRILLING ASSELL TOOL		DD	ID.			MOVE RIGE RIG TO APUD			LOGONG:		
	Bit, PDC Bit Sub		7 875 6,25	2.25	1 00 3.00		WELD ON MAL		-	COMENT: WAIT MOVE		
	9 DCs	······································	6.25	2.25	277.07		SURVEY: PRESSURE TEST		2.00	WOC RUN CSO:		
							DRELL. HANDLE TOOLS		13.50	DST: TRIP:	1.00	
							CRCULATE:		6,50	WAIT ON: WELD BOWL		
							BRILL OUT:			DIRL WORK		
							REAM: SAMETY MEETING			PASON SLIPLINE:		
							STUCK & FISH; RIG DOWN TIME			WORK CON: Other	1.00	
	LAST CASING SU			TOTAL	281.07		Rig Out TOTAL HOURS		24.00	Nipole Up	การเกาะเรา ส์คลในเล	
	RAN	20	JIS )	9.675 TOTAL LENG	in.	24 906.00	lbafft	ĽT&C		8 md	CSG.	
	LANDED AT CEMENTED WITH			sx #15.8, 'G';2 л	d stage (top job	), 100 sx #15.8		lete ar record	magneties at the all			
	PLUG DOWN AT LOGS RUN	<ol> <li>4.6 (9/4) (1.4 (1.7 (4.4 (1.4 (1.4 (1.4 (1.4 (1.4 (1.4 (1.4</li></ol>	0145	HRS ON	Nov. 20, 2011	WITH	<u>No</u>	M3 CEMENT R	E) URNS.			
REMARKS	<b>060</b> 0	Drill 1/ 2746' i		1.11.11.13	15 15 15.		1. 11 to 1. 12 to	14 3 100	taking sa ta	erae yerra di 1999		CHA FREED
0000 060 <b>0</b>	0630	Circulate	10 2000									
0630	0800 1300	Survey, 3000 Drill f/ 3000' (										
0800 1300	1400			din - work p	ipe free.							
1400 1500	1500 2100	Pull 10 jts. Di		mix pill & swe	aen hole & et	ona hack to h	ottom					
2100	2330	Drill # 3431'1		HIIX PIN OI SHA	and the contract of the	age cock to c						
2330	0000	Wireline surv	rey @ 3501',	3-								
												ı
			F	- <b>#</b>		ne dalian tree	a required on	ملا براای داده	um for bala -	eerun Offene	icaulatian tima	,

Note: Bit performance is effected by the amount of circulation time required on each kelly down for hole clean up. Often circulation time exceeds the drilling time per connection.

5.5" Production casing on location.

WT OF D.C.

WT. OF STRING

Weather: Clear and cold.

,4	L,											
P.N	DERBIRD	20205140	eres erens	• <b>4 a a</b>	DAIL	Y DRILLING RE			CARRIONIC	HATU YTNUC		
WELL NAME		GURDEN CI	REEK ST SW				LOCATION: WELL LICEN	CE: AF	1#4300750242			
SUPERVISO	and the contract of the Contra	CHUCK WAI	TER		<u>-</u>		REPORTING	то: "	BARRY BRU	MWELL		
CELLULAR	77 to 1984 to 1984	0130 HRS, N	OV: 18,2011				AFE#:			Taright No. 18 Security		
R.R. DATE: CONTRACTO	OR:	CBM PARTN	OV 16, 2011 IERS	CBM # 100			DAILY COST:		. 32	15,652 58,505		
EST. T.D:		4300'			IN DE ONE		AFE EST (D&			(D&C):	<u>) arent i bij</u> <u>Graft i bij se</u>	
	DAY:	3864	PROG	REPORT DATE 369			GL	7529.50		Frilling @ 3653*		
	SURVEYS:		W. Charles and Salar	Fig. (C) gas to the	O DA SIL LINE	The second second		A WAS DEED SO	Markey and a suit	AAU DAUN AUGUS S	akine an ili	
132	MUD TYPE:	Water Air	WT:		visc		WL		PH:		FC:	
BIT	a entre en elicher ein alle	SIZE		TYPE	JETS	MOB	RPM	(ded) (in the little of the li	HOURS		Agris Starger	ADE
3	TJ 0569	7,875"	Shram	SM 616	6 x 20	11 to 12	85 to 95	779	13.5	57.7		
		DESCR	LINER	STK	SPM - C		PRESS	AVEC	AV DP	NOZZLE VEL	an in a gradua. Na Santina da da sa	eri eksekire kar Bario kiranoa
	& J F 100 & J F-100	Triplex Triplex	6" 6"	7'	72	231	529 psi	300,1000,000				
	DRILLING ASSEME	1 32 34 4 1 5					DME DISTRIB	UTION		LODS:	ak-sias si	
	TOOL Bit, PDC		OD 7.875	i i i	LENGTH 1.00		RIG TO SPUD: WELD ON BBL:			LOGRING. CEMENT:		
	Bit Sub 9 DCs		6.25 6.25	2,25 2,25	3.00 277 07		RIG SERVICE BURVEY: PRESSURE TEST		0.50	WOT: RUN-CSG:		
							ORILL:		15.50	DBT:		
							CRCULATE: NPPLE ON BOP:		0.25	WAIT ON: WELD BOWL		
							DRILL OUT: REAM:			OR: WORK: PASON		
							SAFETY MEETING STUCK & FISH:			SLIP LINE WORK CON:		
				TOTAL	281.07		RIG DOWN TIME RIG Out		7 75	Colum Napolio Up	Varios 1. b., fero.	
	LAST CASING SUR RAN		UTS MKB.	8.675 TOTAL LENG	dn.	24 906.00	TOTAL HOURS!  DEFIT  METERS	LT&C	24.00	8 md	CSG.	
	LANDED AT CEMENTED WITH PLUG DOWN AT		Istage, 400:		d stage (top job	), 100 8x #15.8		M3 CEMENT F				
	LOGS RUN						ewen, en greek	\$\$11.87\$\$\$(2)				
REMARKS	de Nomas (1914) de período a períod	. National Constitu	्रोक्षेत्र । इतिहास		1984. F :	, was promise	2 **	en jerne der jed	\ #**3	5 - 4.1 <u>1</u> .2.2.4.	yada bili yin saari	1,1 (2017) 14,11 (b) 21,41 (17) 14,21 (17)
0000 0030	0030	Continue wir Drill f/ 3505'	e line survey : to 3684'	3*@ 3503*								
1500 1615	1615 2400	Circulate bot	Ĥ	se ruptured.	Rig unable to	o move the to	p drive up or	down Span	not kept on	rig. Replaceme	nt	ı
1010	• • • • • • • • • • • • • • • • • • • •	hose made u	p in Grand Ju	inction, Color	ado and hot s	shot to rig.						
		T/ Ferron 36 1D, 4300'	BO.									
		WY, OF D.C.		WI OF STRIN	IG							į
Weather	Clear and cold											

<b>9</b>					· DAII Y	DRILLING RI	<del>-</del> PORT	. '				
THUNDE		GÖRDEN ÇI	REEK ST SW 7	14-8	, and a	DITE.	LOCATION:		CARBON CO 2#4300750242	DUNTY, UTAH 2000		
SUPERVISOR: CELLULAR#:		CHUCK WAI	TER 0V. 18:2011				REPORTING PHONE #:	ř <b>o</b> :	BARRY BRI	IMWELL 		
SPUD DATE: R.R. DATE: CONTRACTOR EST. T.D.	<b>t</b> 1	2400 HRS N CBM PARTN 4300	OV 15, 2011 IERS		•. • • • • • • • • • • • • • • • • • • •		DAILY COST: CUM. COST: AFE EST (D&		\$2 \$2	24,908 83,413 (D&C)		
	DAY: DEPTH: SURVEYS:	10 3950	PROG	86		7642.30	GL:	-				
Lander Branch	MUD TYPE: ADDITIVES:	Water Air	WT: 574 schn		VISC:		1 (2) A WL:		PH	rijake in Baris 1998	gager a <b>PACS</b> of 188	grande in the Superior
3 4	SERIAL # TJ 0569 135614	7.875" 7.875	MEG Shrani Veral	SM 616 ETD18	9 x 20 3 X 20	11 (q 12	85 to 96	66 66	15.5	4.2		RADE TO THE STATE OF THE STATE
L A	J F-100 J F-100	DESCR. Triplex Triplex	G G G	57K 7'	5 5 6 Mm - 5 7 2	<b>RATE</b> 231	<b>PRE55</b> 529 psi	AV-DC	AV DP	NOZZLE VEL	alegiskar († 1760)	
	DRILLING ASSEMI TOOL BIL PDC	14	OD 7.875	<b>(D</b>	1.00		TIME DISTRIB MOVERIO: PIG TO BRUD: WELD ON BBL	<u>UTION</u>	g (tripe egel et ev terri til	LDDS2 LOBGING: CEMENT WAIT MOVE		
	Bit Sub 9 DCs		6.25 6.25	2.25 2.25	3.0D 271.86		RIGSERVCE: BURVEY: PRESSURE TEST PREL:		16,00	WOC: RUN-CSB: DST: FRIP:	5.50	
			1				HANDLE TOOLS GROWATE NOPPLE ON BOP DAUL DUT REAM:		2.00	WAIT DN; WEED BOWL DIR: WORK: PASON		
							SAFETY MEETING STUCK & FISH: RIG DOWN TIME RIG Out	<b>3</b> .	0.50	SLIP LINE: WORK CON: Odler Nipple Up		
	LAST CASING SUI RAN LANDED AT CEMENTED WITH	906.00	1 st stage 400a	8.675 TOTAL LENG x #15 8 'G' 2 o	dr. GTH ad stage (top )CD	24 906.00 ), 100 sx #15.8	TOTAL HOURS: LIDENTS: METERS:			8 md	C\$6.	
	PLUG DOWN AT LOGS RUN		0145	HRS. ON	Nav. 20, 2011	WITH	No	M3 CEMENT				
**REMARKS** 0000 0030 0100 1700 1715 2000 2045	0030 0100 700 1715 2000 2045 2400	Install hydra Circulate w/ Drill f/ 3884 Circulate ho Trip out of h	ulic hose water/ air to e: to 3950 te - pump gel ole - pipe stud te - pump gel	stablish relun sweep * - pump so	ns oap&air-w	ork pipe - p	oipe came free pipe		ti telaka tahu	in sent in the sent of		
		Note: 70' [	Opth correcti	ion @ 3959'	was 3889' (2	(jte DP)						
		T/ Ferron 38 TD, 4300'	660.									
Weather	Clear, cold and high	WT. OF D.C		WT, OF STRIN	NG				<i>0</i> 11	. 500005000		

AUG-09-2012 14:40

CONTRACTOR:         CEN PARTMERS         CBM # 100         CUM. COST.         \$302,158           ST. T.D.         4300         AFE EST (D&A):         (D&C):	ا				en en en en en en en en en en en en en e				• • •		• .		
CALIFORNIA   CAL	PAR	err's				DAIL	Y DRILLING RE	PORT					
### PTOP   PROPERTY	WELL NAME:		GORDEN CI	REEK ST SW	7-14-8			A 1 1 A 1 4 A	CE AP				
Price   Pric	SUPERVISOR		CHUCK WAI	JER				可能规则		BARRY BRU	IMWELL		
AMPHIES   MONTH   MO	CÉLLULAR#			agin, vini živi i		-		PHONE#:				<b>僅</b> n	
Table   Tabl	RR DATE:		2400 HRS N	DV 16, 2014	Sagination .	<u>-</u>		DAILY COST	7.6	<u>. s</u> -	18,745		
Comparison   Com	CONTRACTO	<b>R</b> .	4300'	JERS	CBM # 160	-		27 S. F. 1995 S. C.			(D&C)		
BURNES    Waste   WT   WISC   WISC   WISC   PRE   VICT			11		REPORT DATE					Working dril	i string at 3660 & r	nixing LCM pill	
AUD TYPE:   Wile   WIT   WISC   WILE   PHE   VEC.			3960	PROGRAMM	b shows family had to the		7842.30		17509.30	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MACE		
SPANE   DESCR.   WHO   TYPE   JETS   WORD   HORE   HEET   HOURS   ROP			1 1 A. J. J. P. 1 (1)	l Constitution of the section of	L Castronia Valva L	VISIO				graganaa germaa			Gradultur (Strice)
PART   10514   1757   1767		ADDITIVES	Air					S. C. College	<u> </u>			A Garage	
### PRIME   DESCR.   TURKS   DIT   SPIN   SPIN   DATE   PRESS   AVDC   AVD   MOZULUM      BURLING SCREADLY   Dr.	San Bit			MEG		JETS		RPM		HOURS		egy (a v <b>G</b> i	
PRIME   DESCRIPTIONS   STR.   SPR.   PAYE   PRESS   AV DE   AV DE   MOZZE VEL	4	135814	7.875	Vomi	ETD18	3 X 20						'	
C. S. J = 100				LINER							NOZZLE VEL		
DESCRIPTION   DOCUMENT   DOCUME	L.8	J F-100	Triplex		7°	85	234	281					
TOD.   OD.   EPNOTT   Spring   Spring Shub.   Spr								wove reg	штом	SAN TEATH	LDD8.		
### 15.00   \$2		TOOL	No. of Art Park Control (Act)		) Pipi .	1.00					CPUPNT.		
											WOC		
								DREL			051		
								CECULATE:			WAIT ON:		
STATE   STAT								BRILLOUT:			DEL WORK:		
NOTAL   275,68   #approxymos   Chimer   Fig.   Fi						,		SAFETY MERTIN			SUP LINE		
No.   20					100 Table 100 110 110 110 110 110 110 110 110 11	1.075.00		RUG DOWN TIME			Other		
DUILED AT   Section   Se						Silvi Juga		TOTAL HOURS:					
SEMARKS		LANDED AT	906.00	MKB.	TOTALLEN	JTH .	906.00				<u>8 mo</u>	134	
Trip out of hole, LD PDC and bit sub		PLUG DOWN AT		0145	HRS. ON	Nov. 20, 2011	WITH						
0000 0415 Trip out of hole, LD PDC and bit sub 0415 1000 PU tricone bit and trip in hole, fill at 3100' 1000 1545 Mix & pump get sweeps, worked pipe and got free. 1545 1600 Trip, LD 5 jts DP 1800 1800 Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill. 1800 1830 Pump and spot across annulus. Partial returns after 55 bbls 1830 2245 Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill. 2245 2300 Pump pill, full returns after pumping 40 bbls. 2300 Vash and ream ff 3100' to 3260'  T/ Ferron 3660 TD, 4300'  WT. OF D.C. WT. OF STRING		LOGS RUN	લ મેલનીકાં તે ફેર્ય હોવું	Special and special	an ing panggan ang manggan a	The Friday State Control	er inner til åre åre per	प्रकासम्बद्धाः स्थलान् प्रकार	grade in length ment	e,w.enorm	with the park of the P	eral e a troc e calleur l'égophiq	
0415 1000 PU tricone bit and trip in hole, fill at 3100' 1000 1545 Mix & pump gel sweeps, worked pipe and got free. 1545 1600 Trip, LD 5 jis DP 1800 1800 Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill. 1800 1830 Pump and spot across annulus. Partial returns after 55 bbls 1830 2245 Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill. 2245 2300 Pump pill, full returns after pumping 40 bbls. 2300 2400 Wash and ream f/ 3100' to 3260'  T/ Ferron 3660 TD, 4300'  Wtt. OF D.C. Wtt. OF STRING	REMARKS	i 1975 - Poliskopologija s			Salar Salar	Marian Carlo	na na hairi a sharaf	weet Wagner	e Michigan Article	1.00 PM 3	#"N. 1   NO. 174		Angelong Samuel Angelong Angelong
1545 1600 Trip, LD 5 jts DP 1600 1800 Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill. 1810 1830 2245 Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill. 2245 2300 Pump pill, full returns after pumping 40 bbls. 2300 2400 Wash and ream f/ 3100' to 3260'  T// Ferron 3660 TD, 4300'  WT. OF D.C. WT. OF STRING		1000	PU tricone bi	t and trip in h	ole, fill at 3186								
1800 1800 Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill. 1810 1820 Pump and spot across annulus. Partial returns after 55 bbls 18245 2300 Pump pill, full returns after pumping 40 bbls. 2300 2400 Wash and ream f/ 3100' to 3260'  T/ Ferron 3660 TD, 4300'  WT. OF D.C. WT. OF STRING					orked pipe ar	nd got free.							
1830 2245 Mix 100 bbts Hi vis (49)LCM (6%), KCL (3% to 4%)pill. 2245 2300 Pump pill, full returns after pumping 40 bbts.  Wash and ream f/ 3100' to 3260'  T/ Ferron 3660 TD, 4300'  WT. OF D.C. WT. OF STRING	1600	1800	Mix 100 bbls	Hi vis (49)LC									
2300 2400 Wash and ream f/ 3100' to 3260'  T/ Ferron 3660 TD, 4300'  WT. OF D.C. WT. OF STRING	1830	2245	Mix 100 bbis	Hi vis (49)LC	M (6%), KCL	(3% to 4%)p							
TD, 4300' WT. OF D.C. WT. OF STRING		2300 2400	Pump pill, full Wash and re	l retums after am f/ 3100' to	pumping 40 i 3260'	obis.							
TD, 4300' WT. OF D.C. WT. OF STRING													
TD, 4300' WT. OF D.C. WT. OF STRING													
TD, 4300' WT. OF D.C. WT. OF STRING													
TD, 4300' WT. OF D.C. WT. OF STRING													
TD, 4300' WT. OF D.C. WT. OF STRING													
WT. OF D.C. WT. OF STRING			Т/ Fеггол 366	<b>30</b>									
			TD, 4300'										
					WT. OF STRIN	G							

			-									
الله . الله الله الله الله الله الله الله الله					DAUCY	DRILLING RE	PORT		$\mathbb{R}^{n} = \mathbb{R}^{n}$			
	DERBIRD		4		D/NG1	District or	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		CARDON CC	DUNTY, UTAH		
WELL NAME	<b>I</b>	GORDEN CA	EEK ST SW 7	-14-8	٠		LOCATION: WELL LICENC	JE: API	#4300750242		-	
			•		•			Harris III. Ageile		KANATI I	-	
SUPERVISO		CHUCK WAL		····		• • • •	REPORTING PHONE #	[O	BARRY BRÜ	WAACTT	<u>-</u>	
CELLULAR		0130 HRS, N	OV: 18,2011		-		A.F.E.#				- -	
R.R. DATE:		2400 HRS NO	OV 15, 2011		<b>-</b> -		DAILY COST:			0,215 22,173	:	
CONTRACT	OR:	CBM PARTN	ERS	CBM # 100	-		CUM. COST: AFE EST (D&)	• • • • • • • • • • • • • • • • • • • •		(D&C):		
EST. T.D.		4300'	- 19-1	1000	(1) No 10 1				<u> The strains</u>	Suliding mud volun		
141	DAY:	12 4050		EPORT DATE	Nov. 28,2011	7542.30	O. GL:	7529.30	Profession and Profes	1		100
ement fra 1919. Lifetige fra 1938	SURVEYS:											
Notice to the second se							28-Non-11	and the second	The state of the s		FC:	250 2 NATO 3
	MUD TYPE:	Get	WT:	87	VISC	45+	AL PANE	<u> </u>	HISTORY PHE		FL.	
	ADDITIVES:	5 5 6 6 5				e la Contraction de la contrac		FEET	HOURS	ROP	GE	ADE
BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM					JUL
4	135614	7.875	Veral	ETD18	3 X 20	20 - 25	75	100	10,25	9.8	-	
THE ST SALES		Gardin Pin	1		n (s. Newyw	G W. H. W. C.	V. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	produktiva (175	948 95 94 148	Alexander Maria		en u krástu a stu krástu skolovi se se
jud jag terjagigi	PUMP	DESCR	UNER	5TK	SPM OF	RATE	PRESS	AV DC	AV DP	NOZZLÉ VEL		. WW 1 RF. 6 W 1
	&J F-100 &J F-100	Triplex Triplex	6" 6"	<del></del>	102	234	475			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I	73 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	DRILLING ASSEMI	30 Y.					TIME DISTRIE	8/41UN	granista (n. 1861). S	1008	* 5.4.5 (\$104)	
	TOOL	Plat:	OD	ID.	LENGTH		RIC TO BPUD:	digerial Gerfender von der Schriften Gerfender von der Schriften der		LOGGING: CEMENT:	·	
	Bit, PDC Bit Sub		7.875 6.25	2.25	1.00 3.00		WELD ON EBL. RIG BERVICE			WAIT MOVE		
	9 DCs		6.25	Z.Z5	271.85		SURVEY:			WOC: RUN CSO:		
	<u> </u>	4,4,1		1,11			DRALE.		10.25	DST:		
	-		.,-,-				HANDLE TOOLS:		12.75	TRIP: WAIT ON:		
				,			MPPLE DN BOP	Elitaria. Villa de la como de la como de la como de la como de la como de la como de la como de la como de la c La como de la	WELD BOWL DIR, WORK:		- 1	
	N		-				DRILE OUT. REAM			PASON.		
	\ <u></u>						SAFETY MEETIN	9		SLIP LINE: WORK CON:		- in interest
					<u> </u>		STUCK & FISH: RIG DOWN TIME			Other	1.00	
	44.00			TOTAL	2/5.86		Rig Out TOTAL HOURS:		24,00	Nipple Up	1. 11. 15	
	LAST CASING 5U!	<u>VIMARY</u> 20	JTS	8.675	<b>.</b>	<u>24</u>	(los/fi	LT&C		8 md	CSG.	
	LANDED AT	906.00	MKB.	TOTAL LEN	od stege (top job	906.00 ). 100 ax #15.8	METERS		e sagent di disele			
	CEMENTED WITH		0145	HRS. ON	Nov. 20, 2011	Valle	NO	M3 CEMENT F	ETURNS.			
	LOGS RUN				िंदी, राज्यांची के श्वक				er in degrees ein der			
							C 7 (5)		- Arriva 1			<u>Jan 1 Chilosop</u> Ngjaran
REMARKS		Milosh & road	m # 3100 to 3			gj Mari Nafiji ka se	, gladel i stratavene	agi #igilili digi kalili '		•		
0000 1245	1245 1900	Drill # 3950'	to 4090'									
1900	2000	Mixing mud	with high LCM	content, re	serve pit drav	vn down, hav	re to use fresh	n water				
2000	2400	Drill f/ 4020'	to 4050°									
į.												
		T/ F 25	en A									
1		T/ Ferror 36 TD, 4300'	pgru,									
		,										
<b>J</b>												
1												
L	old & clear	WT. OF D.C		WI OF STRI	MO							

, same	9100				DAILÝ	DRILLING RE	PORT					
IUNDER Enemoy El name:	DIKU	GORDEN CR	EEK ST SW 7-	14-8			LOCATION: WELL LICENCI	<u>≞</u> API	CARBON CO #43007502420			·
ERVISOR:		CHUCK WAL	TER		r ř		REPORTING T	Dž	BARRY BRU	WWELL		
LULAR #: D DATE:		0130 HRS, N	OV. 18,2011			•	PHONE#: A.F.E.#: DAILY COST:			2,365		
DATÉ: ITRACTOR: . T.D:		2400 HRS NO CEM PARTNI 4300'	ERS	CBM # 100		i	CUM, COST: AFE EST (D&A	):  -	\$41	4,538 (D&C):	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
11D:		. 1 (1996 P. J. 199	7.4		00.0044	LTATUS OR	0		Wa	sh and ream to bot	tom	
	Y Maria Company	13	PROG:	ZEPOKI DALE	NOV 29,2011	7542.30	GL:	7529.30		MACP:	<b></b>	<u> </u>
DE	PTH	4070	PROG:	-								
	RVEYS:					L		,	<u> </u>		N. 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			The second secon		VISC:		28-Non-13:		PH:		FC:	
MU	D TYPE:	air/watur	WT:	8.7	VIOU-							91,500
AD.	OITIVES	at taka kalendari		<u>, ,                                  </u>		1.3.76			HOURS	ROP	GR	
BIT	SERIAL#	SIZE	MEG	TYPE	JETS	MOB	RPM	FEET	nouna			
G(1). 171 · .	<u> </u>			E07034	3 x 20		<del> </del>					
5	137257	7.875	Vand	ED1034	3740	1				59 X 53 X 7 X 4 X 3	9880.45.050	dec.
	erson our respective	ng airean turturinin	12 - 17 Fall (1-15 A - 15	ger gereratisks	Note that		r ya bara kateg		AV DP	NOŽŽLE VEL		
PU	Tagi gada (1746.) Notae	DESCR	LINER	5TK	SPN	RATE	PRESS	AV DC	A PAV DI	· · · · · · · · · · · · · · · · · · ·		
I & J I	F-100	Triplex	6"	7"	needed	234	475		1			1
L8J	-100	Triplex	6"	100 mar. (100 mar.)	DE NEGUGU		TIME DISTRIB	UTION	. Na Shiri Bas	HEN IN HE	Marie Peterson wi	
		30 M					MOVE RIG:			LDD.S.; LOGGING:		
QF.	ILLING ASSEME		O <u>D</u>	1 <b>D</b> /	LENGTH		RIG TO SPUD: WELD ON BBL			CEMENT		
	PDC		7.875	0.05	1.00		RIG SERVICE			WAIT HOVE		_
	Sub		6.25	2,25	271,88		BURVEY			woc.		-1.
9 [	)CB		6.25	2.20			PREBEURE TEST		0.50	RUN C89:		
			1				pent.	ellie 7 Tr	u.au	TRIP	11.75	
			Ţ		ļ		HANGLE TOOLS:		10,75	WAIT ON:		_1
Carlos Maria Maria				<u> </u>	<b></b>	-	MPPLE DN SOP			WELD BOWL		
			<del> </del>				DRILL QUT:		"_ <del></del>	DR. WORK: PASON	<u>!</u>	-9.50
						]	REAM		·	SUP LINE:		
						1. 3. 1. 1. 1.	SAFETY MEETIN		·:	WORK CON:	1.00	
			]	<del> </del>		┨	NO DOWN TIME			Officer		
		* * * * * * * * * * * * * * * * * * *	1.00 (\$1.00 + 1.00)	TOTAL	275.86		Fig Cit			Nipple Up	:	
	LST CASING SU	unio DV				Robert Sa	TOTAL HOURS:		<u> 24.00</u>	– 8 ma	CSG.	
	N CASING SO	20	<b>315</b>	8.675	<b>.</b>	24_	HETERS.	LT&C		A ATTLE STATE		
	NDED AT	905.00	MKB.	TOTAL LE	ICTH	906.00		4 4 5 5 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6				
	EMENTED WITH		1 st stage, 400	)ax #15.8, 'G,Z	nd stage (top jo Nov. 20, 201	1 WITH	No	M3 CEMENT	RETURNS.			
	UG DOWN AT		0145		1400 20, 207	<u> </u>		ক্রিক্টান কো	कर्म देखी में गाँउ	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	All and Annual Control	1
	JGS RUN		British Children	** - 10 m 12 m 1	Section of a con-							
<u>.</u> . <b>U</b>												

0000 0030 0600 1115	0030 0800 1115	Drill from 4050' - 4058'  Lost returns, building volume. Mix sweeps and worked pipe.  Increase air concentration to regain circulation  Bleed off lines frozen. Decide to bleed off at top drive connection. Driller broke connection MUCH faster than he was instructed to.  Bleed off lines frozen. Decide to bleed off at top drive connection. Bit plugged instantly. Bleed off pressure.
1215 1315 1415	1315 1415 2115	Remove rotating head.  Pour diesel into drill pipe to try and unload it - not sucessful.  POOH to unplug bit. Change bit and bit sub. INSTALL FLOAT - PREVIOUS BHA DIDN'T HAVE A FLOAT AS ONLY BIT SUB  CONTRACTOR HAS WAS IN TOWN FOR REPAIRS. Bit #4 showed pretty sever damage on 2 cones.
2115	2400	RIH with Bit # 5 TO 1937.

T/ Ferron 3660. TD, 4300'

1												
THUND	* FRRIRD		•		DAILY	DRILLING R	EPORT					
WELL NAME:		GORDEN CI	REEK ST SW 7	-14-8		· ; .	LOCATION: WELL LICENC	E, API	CARBON CC #4300750242	OUNTY, UTAH		
SUPERVISOR GELLULAR#:		CHUCK WA	LTER		<del>.</del> .		REPORTING T	rö:	BARRY BRU	MWELL		
SPUD DATE: R.R. DATE:	· · · · · · · · · · · · · · · · · · ·		(OV. 18,2011		<b>=</b> 200 kg <del>=</del> 100 kg kg € 100 kg kg		A.F.E.#: DAILY COST: CUM. COST:			6,975 11,113		
CONTRACTO	<b>R:</b> 2003 - Charles (1988)	4300'		CBM #100	<u>k</u> ina ya . Kababaran 1949	eri Maritanist	AFE EST (D&/	9		(D&C):	RTH COL	-:: · · · · ·
e Allanda Aguesti	DAY:	14		REPORT DATE		STATUS 06: 7542.30	00 GL:	7529:30	VVS	ish and ream to bo MACF:		2.0
Carlos Separations	DEPTH: SURVEYS:	4101	PROG.	31	, RD.	7542.50	- Car			451		
and the second	S. C. Lee Constitution					<u> </u>	/ ·	<u> </u>	<u> </u>		1 25 8 50 7 79	<del></del>
e Tarfoldor dossi e Vandor de les la co	MUD TYPE	airwater	WT:	<b>8.7</b>	VISC:		ZIT-NOV. LT.	T	PĤ:		FC:	
rijarena eri en ilga Garaf etta oktob	ADDITIVES:	· Gitty ar extract								Ten Amerika ing		N. S. Constitution
Mariana da Salama		SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GR.	ADE
5 S	SERIAL # 137257	7.875	Vorel	ED'1034	3 x 20	25	65					
entlendolla a maio	F1 (F1 ) (100 ) (10 ) (10 )	1.9 lbg	o Balanti in Hair	: KANGARISH (K	i kalendari karenda	50 . J.N.	de mercilo Saltare Mi	land organization	Design (Set	k og samtiller og se	Park Carl Carly	A STATE
	PUMP	DESCR	LINER	51K	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL		173
	J F-100	Triplex	6" 5"	- " <u>T"</u>	as needed	234	475		<del>                                     </del>			
opisia di salah di salah di salah di salah di salah di salah di salah di salah di salah di salah di salah di s	J F-100	granger (d	water agreem	Ma Algeber			IJME DISTRIB	UTION	to the William		Jan Sala e Main	
	DRILLING ASSEMI	BLY		jb.	LENGTH		NOVERIG RIG TO SPUD:			LOCGING:		
	TOOL BIL PDC	<u> </u>	OD 61	119	1.00	1	WELD ON BELL		4	CEMENT:		
	Ellt Sub		6.2G	2.25	3.00		PIO SERVICE:		<del></del>	WAIT MOVE		
	9 DCs		6.25	2.25	271.86		PRESSURE TEST			RUN C56:		
							DRUL		4.00	DST TRIP:	. 13 50	
					<b>_</b>		HANDLE TOOLS			WAIT ON:	. 13.30	
		187	╅───				MPPLE ON BOP			WIELD BOWL		
							DRILL OUT:			OR WORK: PASON		
			<del> </del>		<del>                                      </del>		BAFETY MEETING			SUPLINE		
			<del></del>				STUCK & FISH		5.55	WORK CON:		-,
				***	275.86		RIG DOWN TIME Rig Clut		6.50	Other Nipple Up		
energia Energia	LAST CASING SU	MERROY		TOTAL	ZA3.60		TOTAL HOURS:		24.00			
	RAN	20	JTS	8.675	in:	24	lbs#t	LT&C		<u>8 md</u>	CSG.	
	LANDED AT	906.00	MKB	TOTAL LEN	iG iH nd stage (top job	906.00	METERS	H. Andrews	रीमा पर प्रति । मार्चित			
	CEMENTED WITH PLUG DOWN AT		1 at stage, 400	HRS. ON	Nov. 20, 2011	WITH	NO NO	M3 CEMENT (	RETURNS.			
	LOGS RUN					This all has th		開東市特 (1997年)	Section 2	(11) (30) (44)	Breathann e sta	
	•											5.人介 <i>维亚科</i>
REMARKS	i Propinski propinski	अस्तरका <i>जीव</i> ी	Augusta Santa S	: <u></u>	ALCONOMICS	456 (17 F) 4 F	The program of	Sales Sales	Property of	2 0 0 mm m m m m m m m m m m m m m m m m	granda jarwigita	war ractiff, in
0000	0900	F315 1 Zanas 40	ואר ישבברי אני	roudetien wilk	oir their tieht	codie seven	ai iimes.			dolly oracle or the	Innation	
0900	1530	Hudraulie he	see on ton driv	e failed - no	replacement of	on location.	Wait on one to	) DE MAGE IN I	rnce and de ( se incomed)	delivered out to	iocalion.	
1530	2000	Wash and r	eam into hole	from 3,556' -	4,058' (well d	eptri was ar	djusted to 4,058 icing erratically.	3 454,U(U W	as moonedly			
2000	2400	Unii anead	110m 4,056° - 4	חוווות . טטו	g very nerore	eps, uit bouli	con 12 consumity.					

T/ Ferron 3660. TD, 4300'

H( INIT	# EKBIRD				DAILY	y drilling rep	PORT					
ELL NAME:	RCY	GORDEN CF	REEK ST SW 7	14.8			LOCATION:	and the second s	CAREON CO #43007502420	DUNTY, UTAH DOOD		
DEFRE		CHUCK WAL	TER				REPORTING T		BARRY BRUI			
PERVISOR: LLULAR#.				<u> </u>		ng an darid. Tanggalang darid Tanggalang	PHONE#:			THE PARTY OF THE P		
UD DATE:		0130 HRS, N					A.F.E.#. DAILY.COST:	PROGRAMA MARKETANA		20,475	tyki i	a siya Ngarjan siya
R. DATE: INTRACTOR		CBM PARTN	IERS .	CBM # 100			CUM. COST.			51,588 (D&C):	A WARE	
т. т.D:	The Control of the Co	4300'				Source State of the  AFE EST (DAA				V9 /4 (4 (5)		
	DAY:	15			Nov 30,2011	STATUS 06:01	O GL	7529:30		ash and ream to bot MACP		, de l'estate pro-
	DEPTH:	4101	PROG:		A A A CONTRACTOR		J. J. J. J. J. J. J. J. J. J. J. J. J. J					(10) 2 42/ 417/4 (44/4
		<u> </u>	waren diya cikini	# (F 1995)	1. (1) - 2. (2. (2. (2. (2. (2. (2. (2. (2. (2.	100 100 100 100 100 100 100 100 100 100	20 NAV-11		grave crosses		N	
	MUD TYPE:	air/water	WT	8.7	VISC	45+	Antonyony with		PHS	-	FC:	
reindingersteine. Gertheit eine de	ADDITIVES:	egi, heraki tiliki di		NAME (Maria de Caraciones de Caraciones de Caraciones de Caraciones de Caraciones de Caraciones de Caraciones d		nings iligen singersi			HOUR5	ROP	arayayan G <b>co</b>	ADE
BIL	SERIAL#	SZE		EDT034	3 x 20	WOB - ∴ 25	85		CAUCO	The second secon		- crio
5	137257	7.875	- volai								<del></del>	
lia (Delegnada)	ijinghananken mener	1		PROPERTY NO					AV DP	NOZZÍ EVEL	antaga paga tabuta Perintaga tengga	A Praintent :
4.4540.41	PUMPAGATATA	DESCR	LINER	77 STK 200	SPN SPN SPN	RATE	1	AVDC	THE PARTY OF THE P		and the state of t	
	2 J F-100 3 J F-100	Triplex Triplex	6° 6"	77	as needed	<b>234</b>	475	DTION::://	Mary and the Control of the Control		Ng Kaligasianila	digitalista (il
	DRILLING ASSEME						HOVE RIG		n en	LDD\$ LOGGING:	8.00	
	TOOL		<b>OO</b> 7.875	ibi 🦠	LENGTH 1.00		RIG TO SPIID: WELD: ON BUL,			CEMENT		
	Bit, PDC Bit Sub		6.25	2.25	3.00	ō, sa sa sa	RIG.SERO/CE:		·	WAIT MOVE WCIC	<u></u>	
	9 DCs		6.25	2,25	271 98		PR <b>ESSURE</b> TEST			RUNCSC DBT	1.00	
			<del></del>		+		THE TOOLS:			TRIP	8,50	
					<b></b>		CIRCULATE NIPPLE DA BOR		0.50	WAIT ON: WELD BOWL	·	
							ORBLEST.			DIR WORK		
			<u> </u>				REAM: BAFETY MEETING			BUPLINE		
			<del>                                     </del>				STUCK & FISH:			WORK CON:		
	ij Historialisatina arabba	The Samuel Company		TOTAL	275.88	TO THE REAL PROPERTY.	Rejour		24.52	Nipple Lip	ร ได้เดียวสมัยโดย 2 ก็อยได้	
	LAST CASING SUM		JTS	8.675		24	TOTAL HOURS:	LT&C	24.00	8 md	CSG.	
	RAN EANDED AT	20 906.00	MAH	TOTAL LEN	NGTH	906.00	METERS	www.rokoz			with the	
	CEMENTED WITH		1 st stage, 400 0145	0sx #15,8, 'G';2 (	nd stage (top job Nov. 20, 2011	1 (4) (4)	i, NO	MECEMENT F	RETURNS.			
The American Services	and the second s	and the second second second		<del>- e</del> r a como transportante.		- และเกราะสมเดิมเหลือนี้สำนัก	Partie	and the second state of the second state of the second second second second second second second second second			***	and the Property of the

REMARKS 0000 0800 Drill ahed from 4,100" - 4275". TD called at 4,275" based on production casing tally
Trip OOH pulling from 3,900" up to 3,100" Had to circulate (with air assist) and work tight spots several times.
RU Pioneer Wireline Logging tools. 0000 0800 17:00 17:30 17:00 Run logs, then rig down logging equipment Prepare to run casing. Could not break off bit sub from top drive, forced to run casing by picking up every it with circulating head, which 21:30 17:30 21:30 will be very slow. 23:00 RIH with 5 1/2" casing. Casing details on next daily report. 23:00 24:00

> T/ Ferron 3660. TD, 4275'

1 11 K					DAILY	DRILLING RE	PORT					
ENEKC	RBIRD	connek col	eek st sw 7-1	14:8			LOCATION:		CARBON CO	UNTY, UTAH		
NAME:		GOKDEN	EEN G. GW				WELL LICENCY	<u>-</u> API	#43007 <b>5024</b> 20	••		
		CHUCK WAL	TER		_	•	REPORTING TO	<b>o</b> :	BARRY BRU	WELL		
RVISOR: ULAR#:	,				_	• .	PHONE #:					٧.
DATE:		0130 HRS, NO			 -		DAILY COST:			5,305 6,893	./.	
DATE: TRACTOR	<b>.</b> '	CBM PARTN	ERS	CBM # 100	=		CUM. COST: AFE EST (D&A	):		(D&C):	<u> </u>	<b>-</b> . '
T.D		4300		FRORT DATE	Nov. 30,2011	STATUS 06:	30		Wa	sh and ream to bot	tom	1 : : : :
	DAY: DEPTH:	4275		174	КВ	7542.10	GL	7529:30	1 (g) 1 (g) (g) (g) (g) (g) (g) (g) (g) (g) (g)	(BAC)F		
	SURVEYS.						ZENI-ALT	Hg (47) (10) (1)		<u> </u>		1,
		gir/water	WT:	8.7	VISC:		WL:		PH:		FC:	
	MUD TYPE: ADDITIVES:					. 10. <sub>10.</sub> 1	\(\frac{1}{2}\)	FEE	HOURS	ROP	Gi	ADE .
BIT	SERIAL#	SIZE	MFG.	TYPE ED1034	3 x 20	WOB 25	# <b></b>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			<u> </u>	
5	137257	7.875	VIII								77. 17.	100 F/S
ma hvil	edieda (				SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL		1000
ुँ के, <i>चन्द्रस</i> ्	UMP J F-100	DESCRL Triplex	LINER 6"	57K		234	475	F -	<u> </u>		<u> </u>	1
	J F-100	Triplex	5"	7"	as needed	ing Est	TIME DISTRIB	UTION		LDDS:		_
idiga (1918). Na harawa	DRILLING ASSEM	BFT	OD.	ID	LENGTH		RG TO SPUD:		<u> </u>	LOGGING: CEMENT:	3.00	_ / _
	TOOL Bit POC		7,875 6,25	2.25	1.00 3.00		WILD ON EBL. RIG SERVICE:			WAIT MOVE		
	9 DCs		6.25	2.25	271.88		PRESSURE TEST	ń	<u> </u>	puin CSG: psf:	14.00	Ξ.
							DRUL: HANDLE TOOLS		·	TR#		
The second							CIRCULATE:			WATION: WELD BOWL		
			<del>                                     </del>		<u> </u>		DREAL OUT:			DIR WORK: PABON	: <u></u>	
						1	SAFETY MEETIN	<b>10</b> 1		SLIP LINE:	<u></u>	
i en la					'' [	<b>」</b> 於於此"條")	STUCK & FIBH!			Other		, X, ,,,
			<u> </u>	-		The North Western	RIG DOWN TIVE		7.00		.—	
				TOTAL	275,88		RIG DOWN TIME RIG DIA YOTAL HOURD:		7.00 24.00	Nipple Up		
	LAST CASING 5	<u>103</u>	JTS	5.5	In.	17 4233.46	Rig Old YOTAL HOURB IDENT	LT&C_	77		csg.	
	RAN LANDED AT	103 4233,46	MKB. See balow	5.5 TOTAL LE	In. NGTH	4233.46	RIG DAZ YOTAL HOURB: IDE/RIC METERS	LT&C_	77	Nipple Up	CSG.	
	RAN LANDED AT CEMENTED WIT PLUG DOWN AT	103 4233.46 H	MKB	5.5	In.	4233.46	RIG DAZ YOTAL HOURB: IDE/RIC METERS	LT&C	24.00	Nipple Up	CSG.	
	RAN LANDED AT CEMENTED WIT	103 4233,46 H	MKB. See balow 16:49	5.5 TOTAL LE	in, ENGTH	4233.46	RIG 04  YOTAL HOURB: Ibs/ff  WETERS:  NO	LTSC W3.CEMEN	24,00	Nippis Up 8 md		
MARKS	RAN LANDED AT CEMENTED WIT PLUG DOWN AT	103 4233.48 H	MKB. See balow 16 49	5.5 TOTAL LE	In. ENGTH	4233.46	RIG DAL TOTAL HOURBEIDERE TOTAL HOURBEIDERE TOTAL HOURBEIDERE TOTAL HOURBEIDERE TOTAL HOURBEIDERE TOTAL HOURBEIDERE TOTAL HOURBEIDERE	LTSCW1.CEMEN	24.00	S md	wo any fulth	er.
MARKS 0000	RAN LANDED AT CEMENTED WIT PLUG DOWN AT LOGS RUN	103 4233,48 H	MKB. See below 16:49 02 jts of 5 1/2"	5.5 TOTAL LE HRS: ON  47 #/R, N-inal bally into	in. O1-Dec-11  Bio, LT&C prod o hole = 101 fu	4233.46 WITH- luction casir all joints + T	Ng Oat  NOTAL HOURSE IDENT!  METERS  NO  NO  1g. Tagged har  NO - 9.95' mar	LT&C  W3-CEMENT  d at 4,252' K ker joints. T	Z4.00  RETURNS  B. Could not OTAL = 103 in	8 md 8 md work casing do	wn any furthe Seaboard ha % Superball	er. anger +
	RAN LANDED AT CEMENTED WIT PLUG DOWN AT	RIH with 1 REMOVE	MKB. See below 16:49  02 jts of 5 1/2" JOINT 102. First camenturs	5.5 TOTAL LE HRS: ON . 17 #/ft, N-inal tally into	in.  O1-Dec-11  Bio, LT&C prod o hole = 101 fu production cas	4233.46  WITH  Luction casir  Il joints + The	No Search (No Search (	UT&C  W3.CEMENT  d at 4,252' K ker joints. T  m Class "G"	Z4.00  RETURNS:  B. Could not OTAL = 103 is cernent + 0.2 C triall = 2.3	Nippis Un  8 md  work casing do  work Land with  A cu "fl/sk water	wn any furthe Seaboard ha % Superball = 8.23 gal/s	er. anger +
0000	RAN LANDED AT CEMENTED WIT PLUG DOWN AT LOGS RUN	RIH with 1 REMOVE RU Superi	MKB. See below 16:49  02 jts of 5 1/2" JOINT 102. Fior comenturs: FL-300 + 2%	5.5 TOTAL LE HRS ON . 17 #/ft, N-I inal tally into and cament CaCl2 + 0.2	in.  O1-Dec-11  O0, LT&C production cas 5 #/sk Super F	4233.46 WITH  WITH  Luction casir  Ill joints + The sing with 47  Flake + 3%	No Description of the second o	UT&C  W3-CEMENT  of at 4,252° K ker joints "G" of at 10.7 PP not held. NC	Z4.00  RETURNS  B. Could not OTAL = 103 is cement + 0.2 G (yield = 2.3 O RETURNS)	Nippis Un  8 md  work casing do  work Land with  A cu "fl/sk water	wn any furthe Seaboard ha % Superball = 8.23 gal/s	er. Inger +
0000 1400 1700	RAN LANDED AT LANDED AT LOGIS RUN  1400  1700 2000	RIH with 1 REMOVE RU Super 1% Super Displaced Remove c	O2 jts of 5 1/2" JOINT 102. Fior camenturs: FL-300 + 2% with 98 bbts of casing landing j	5.5 TOTAL LE HRS ON . 17 #/ft, N-I inal tally into and cament CaCl2 + 0.2	in.  O1-Dec-11  O0, LT&C production cas 5 #/sk Super F	4233.46 WITH  WITH  Luction casir  Ill joints + The sing with 47  Flake + 3%	No Search (No Search (	UT&C  W3-CEMENT  of at 4,252° K ker joints "G" of at 10.7 PP not held. NC	Z4.00  RETURNS  B. Could not OTAL = 103 is cement + 0.2 G (yield = 2.3 O RETURNS)	8 md 8 md work casing do	wn any furthe Seaboard ha % Superball = 8.23 gal/s	er. Inger +
1400	RAN LANDED AT LANDED AT COMMENTED WITH PLUG DOWN AT LOGS RUN  1400	RIH with 1 REMOVE RU Super 1% Super Displaced Remove c	O2 jts of 5 1/2" JOINT 102. Fior comenture: FL-300 + 2% with 98 bbts of asing landing jer out rig	5.5 TOTAL LE HRS: ON . 17 #/ft, N-I inal tally into Cacl2 + 0.2 f froesh wat it. Remove	in, ENGTH 01-Dec-11 00, LT&C prod 0 hole = 101 fu production cas 5 #/sk Super F er. Bumped pl blocie line and	4233.46  With  Wit	notal Houres  for the Houres  for texts  No  No  No  No  No  No  No  No  No  N	LT&C  W3-CEMENT  of at 4,252' K ker joints. T JIM Class "G" d at 10.7 PP oat held. NC	Z4.00  TRETURNS:  IB. Could not OTAL = 103 is cement + 0.2 G (yield = Z.3) O RETURNS In wellhead.	Nippis Un  8 md  work casing do  work Land with  A cu "fl/sk water	wn any furthe Seaboard ha % Superball = 8.23 gal/s	er. Inger +
1400 1700	RAN LANDED AT LANDED AT LOGIS RUN  1400  1700 2000	RIH with 1 REMOVE RU Super 1% Super Displaced Remove c	O2 jts of 5 1/2" JOINT 102. Fior comenture: FL-300 + 2% with 98 bbts of asing landing jer out rig	5.5 TOTAL LE HRS: ON . 17 #/ft, N-I inal tally into Cacl2 + 0.2 f froesh wat it. Remove	in, ENGTH 01-Dec-11 00, LT&C prod 0 hole = 101 fu production cas 5 #/sk Super F er. Bumped pl blocie line and	4233.46  With  Wit	No Description of the second o	LT&C  W3-CEMENT  of at 4,252' K ker joints. T JIM Class "G" d at 10.7 PP oat held. NC	Z4.00  TRETURNS:  IB. Could not OTAL = 103 is cement + 0.2 G (yield = Z.3) O RETURNS In wellhead.	Nippis Un  8 md  work casing do  work Land with  A cu "fl/sk water	wn any furthe Seaboard ha % Superball = 8.23 gal/s	T-
0000 1400 1700	RAN LANDED AT LANDED AT LOGS RUN  1400  1700 2000	RIH with 1 REMOVE RU Super 1% Super Displaced Remove CRig out ter	O2 jts of 5 1/2" JOINT 102. Fior comenture: FL-300 + 2% with 98 bbts of asing landing jer out rig	5.5 TOTAL LE HRS: ON . 17 #/ft, N-I inal dally into Cacl2 + 0.2 f freesh wat it. Remove	in, and an analysis of the second of the sec	4233.46  With  Wit	notal Houres  for the Houres  for texts  No  No  No  No  No  No  No  No  No  N	LT&C  W3-CEMENT  of at 4,252' K ker joints. T JIM Class "G" d at 10.7 PP oat held. NC	Z4.00  TRETURNS:  IB. Could not OTAL = 103 is cement + 0.2 G (yield = Z.3) O RETURNS In wellhead.	Nippis Un  8 md  work casing do  work Land with  A cu "fl/sk water	wn any furthe Seaboard ha % Superball = 8.23 gal/s	er. anger +
0000 1400 1700	RAN LANDED AT LANDED AT LOGS RUN  1400  1700 2000	RIH with 1 REMOVE RU Super 1% Super Displaced Remove CRig out ter	O2 jts of 5 1/2" JOINT 102. Fior camenturs: FL-300 + 2% with 98 bbts or caring landing jar out rig	5.5 TOTAL LE HRS: ON . 17 #/ft, N-I inal dally into Cacl2 + 0.2 f freesh wat it. Remove	in, and an analysis of the second of the sec	4233.46  With  Wit	notal Houres  for the Houres  for texts  No  No  No  No  No  No  No  No  No  N	LT&C  W3-CEMENT  of at 4,252' K ker joints. T JIM Class "G" d at 10.7 PP oat held. NC	Z4.00  TRETURNS:  IB. Could not OTAL = 103 is cement + 0.2 G (yield = Z.3) O RETURNS In wellhead.	Nippis Un  8 md  work casing do  work Land with  A cu "fl/sk water	wn any furthe Seaboard ha % Superball = 8.23 gal/s	er. anger +
0000 1400 1700	RAN LANDED AT LANDED AT LOGS RUN  1400  1700 2000	RIH with 1 REMOVE RU Super 1% Super Displaced Remove CRig out ter	MKB. See ballow 16:49  02 jts of 5 1/2" JOINT 102. Fior comenturs: FL-300 + 2% if with 98 bbls of asing landing jer out rig  BOTTOM = 42  EASED AT 24	5.5 TOTAL LE HRS: ON . 17 #/ft, N-I inal dally into Cacl2 + 0.2 f freesh wat it. Remove	in, and an analysis of the second of the sec	4233.46  With  Wit	notal Houres  for the Houres  for texts  No  No  No  No  No  No  No  No  No  N	LT&C  W3-CEMENT  of at 4,252' K ker joints. T JIM Class "G" d at 10.7 PP oat held. NC	Z4.00  TRETURNS:  IB. Could not OTAL = 103 is cement + 0.2 G (yield = Z.3) O RETURNS In wellhead.	Nippis Un  8 md  work casing do  work Land with  A cu "fl/sk water	wn any furthe Seaboard ha % Superball = 8.23 gal/s	er. anger +
0000 1400 1700	RAN LANDED AT LANDED AT LOGS RUN  1400  1700 2000	RIH with 1 REMOVE RU Supering Super Displaced Remove Casing out terms and the Casing III RIG RELITION TO Ferrom	MKB. See ballow 16:49  02 jts of 5 1/2" JOINT 102. Fior comenturs: FL-300 + 2% if with 98 bbls of asing landing jer out rig  BOTTOM = 42  EASED AT 24	5.5 TOTAL LE HRS: ON . 17 #/ft, N-I inal dally into Cacl2 + 0.2 f freesh wat it. Remove	in, and an analysis of the second of the sec	4233.46  With  Wit	notal Houres  for the Houres  for texts  No  No  No  No  No  No  No  No  No  N	LT&C  W3-CEMENT  of at 4,252' K ker joints. T JIM Class "G" d at 10.7 PP oat held. NC	Z4.00  TRETURNS:  IB. Could not OTAL = 103 is cement + 0.2 G (yield = Z.3) O RETURNS In wellhead.	Nippis Un  8 md  work casing do  work Land with  A cu "fl/sk water	wn any furthe Seaboard ha % Superball = 8.23 gal/s	er. anger +

	STATE OF UTAH		FORM 9					
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537					
SUNDR	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	eepen existing wells below al laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:						
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: GORDON CREEK ST SW-7-14-8							
2. NAME OF OPERATOR: GORDON CREEK, LLC		9. API NUMBER: 43007502420000						
3. ADDRESS OF OPERATOR: 1179 E Main #345, Price,		PHONE NUMBER: 8 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0833 FSL 2011 FWL			COUNTY: CARBON					
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 07 Township: 14.0S Range: 08.0E Meridia	n: S	STATE: UTAH					
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA					
TYPE OF SUBMISSION		TYPE OF ACTION						
7	✓ ACIDIZE	ALTER CASING	CASING REPAIR					
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME					
9/4/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE					
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION					
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK					
	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION					
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON					
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL					
DRILLING REPORT Report Date:	☐ WATER SHUTOFF ☐	SI TA STATUS EXTENSION	APD EXTENSION					
керогт рате:	WILDCAT WELL DETERMINATION	OTHER	OTHER: Perforate Ferron Formation					
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all	pertinent details including dates, o	lepths, volumes, etc.					
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  We plan to perf the Lower Ferron 4024'-4028', 4017'-4020',  4006'-4010', 3984'-3990', 3965'-3967', 3958'-3960' & 3934'-3938', then acidize/frac the Lower Ferron perfs with a 38.6 T treatment. Then set WR plug at +/- 3925'. Then perf the Middle Ferron 3905'-3907', 3894'-3901', 3886'-3888', 3871'-3873', 3855'-3859', 3841'-3843' 3836'-3838', 3823'-3826', 3817'-3819', 3812'-3814', 3804'-3806' & 3798'-3800', then acidize/frac the Mid Ferron perfs with a 49.4 T treatment. Then set a WR plug at +/- 3790'. Then perf the Upper Ferron 3767'-3771', 3762'-3764', 3756'-3760', 3746'-3748', 3736'-3740', 3726'-3728', 3684'-3687' & 3669'-3673', then acidize/frac the Upper Ferron perfs with a 38.6 T fracture treatment. Then flow back all zones on clean up before moving on W/O rig to RIH & pull all WR plugs, then run tbg & rods. Then install pumpjack and place well on production as a Ferron Gas Well.								
NAME (PLEASE PRINT) Barry Brumwell	PHONE NUMBE 403 453-1608	R TITLE Vice President-Operations						
SIGNATURE	100 100 1000	DATE						
l N/A		8/21/2012						

Sundry Number: 29249 API Well Number: 43007502420000

	FORM 9									
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537							
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:									
	posals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME:							
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: GORDON CREEK ST SW-7-14-8							
2. NAME OF OPERATOR: GORDON CREEK, LLC			9. API NUMBER: 43007502420000							
3. ADDRESS OF OPERATOR: 1179 E Main #345 , Price, l		ONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED							
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0833 FSL 2011 FWL			COUNTY: CARBON							
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SESW Section: 0	IIP, RANGE, MERIDIAN: 7 Township: 14.0S Range: 08.0E Meridian:	S	STATE: UTAH							
11. CHEC	APPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, REPOR	T, OR OTHER DATA							
TYPE OF SUBMISSION		TYPE OF ACTION								
	ACIDIZE	ALTER CASING	CASING REPAIR							
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME							
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE							
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION							
6/30/2012	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK							
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION							
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON							
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL							
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION							
	☐ WILDCAT WELL DETERMINATION ✓	OTHER	OTHER: No Activity							
44 DECORIDE BRODOCED OR			,							
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  There was NO activity on this well from Drilling Rig Release Date (24:00 12/01/2011) until June 30, 2012. The well was cased with 5 1/2" production casing to 4,233.46' KB and is sitting as a cased Potential Ferron Gas Well.										
Barry Brumwell	<b>PHONE NUMBER</b> 403 453-1608	TITLE Vice President-Operations								
SIGNATURE N/A		<b>DATE</b> 8/27/2012								

### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

iONF.	DFM	MLNDFD REPORT	г□	FORM 8
~- ,		LEASE CALATION		NII II ADED

		_	) VIOI	0110	i OiL,	OAO.		VIII VIII V	G			-	" "	ML-46	27	AND SEI	NAL NONDE	κ.
WEL	L COM	PLET	ION	OR F	RECO	MPL	ETIC	N RE	EPOF	RT AND	LOG	;	6. IF	INDIAN,	ALLOTTEE (	OR TRIB	E NAME	
1a. TYPE OF WELL	•	OI W	ELL C	]	GAS C	]	DRY [	<u> </u>	ОТН	ER			7. L	NIT or CA	AGREEMEN	IMAN TV	<u> </u>	
b. TYPE OF WOR	C:					_							-	AELL NAM	E and NUME	OCD.		
NEW WELL	HORIZ. LATS.	DE EN	EP-	] ¦	RE- ENTRY		DIFF. RESVR.		ОТН	ER							SW-7-1	4 <b>-</b> 8
2. NAME OF OPERA		. LLC.												PI NUMBE	R: 50242			
3. ADDRESS OF OF		,								PHONE	NUMBER:				POOL, OR	WILDCA	т	
1179 E. MA	······································		ITY PR	RICE		STATE	UT	ZIP <b>84</b> 5	501		3) 453-	1608			SIGNA			
<ol><li>LOCATION OF W AT SURFACE:</li></ol>			201 <b>t</b>	· F	WL								11.	QTR/QTR MERIDIAN	, SECTION, ' N:	TOWNS	HIP, RANGE,	
													SI	ESW	7 1	45 8	BE S	
AT TOP PRODU	CING INTERV	AL REPOF	RTED BEI	LOW: 8	332.53	FSL	& 201	0.67'	-WL									
AT TOTAL DEPT	∺ 832.5	3' FSL	. & 20	010.67	"FWL									COUNTY CARBO	NC	13	S. STATE U	TAH
14. DATE SPUDDED 11/18/2011		5. DATE T		HED:	16. DATE	ECOMPL 26/201		Á	ABANDON	ED 🗌	READY TO	PRODUC	DE D		VATIONS (D KB = 75		RT, GL):	
18. TOTAL DEPTH:	<sup>MD</sup> 4,2	75	Ī	19. PLUG	BACK T.D	).: MD	4,187		20. IF I	MULTIPLE CO	OMPLETION	IS, HOW	MANY? *	21. DEP	TH BRIDGE			
	TVD 4,2						4,187							PL	UG SET:	TVD		
22. TYPE ELECTRIC				,		•	<i>'</i>			23.				rozf.				
CD/CN/GR,					D LOG	S/GR,	CASE	D HO	LE	WAS WELL	L CORED? RUN?		NO NO		/ES       /ES		it analysis) it report)	
PULSED NE	EUTRON	i, CBL/	CCL/0	GK							NAL SURVE	Y?	NO'	<u>ب</u>	/ES T	•	it copy)	
24. CASING AND L	NER RECORI	D (Report	all string:	s set in w	rell)								•					
HOLE SIZE	SIZE/GRA	\DE	WEIGHT	(#/ft.)	TOP (	MD)	вотто	M (MD)		EMENTER EPTH	CEMENT NO. OF		SLU VOLUM		CEMENT	TOP **	AMOUNT F	ULLED
14.75"	12.75				C	)	4	0							0 C	IR		
11"	8.625	J55	24	4	0	)	90	07			G	500			0 C	IR		
7.875"	5.500	N80	17	7	0	)	4,2	233			G	474			219	SPIE	1/FD	
																-OE	VED	
															NOV	113	2012	
as Tubbio Beac	<u> </u>														DM/ 000			
25. TUBING RECOR		SET (MED)	Tayou	ED OFT (	up)	0175			0== 0.5			T					BAMMN	
2.375"	DEPTH S		PACK	ER SET (	VID)	SIZE	-	DEPTH	SET (MD	PACKE	R SET (MD)	-	SIZE	- 1	EPTH SET (	MD)	PACKER SE	.T (MD)
26. PRODUCING IN					<u> </u>					27. PERFO	RATION RE	CORD						
FORMATION		TOP	(MD)	BOTTO	OM (MD)	TOP	(TVD)	вотто	M (TVD)		L (Top/Bot	-	SIZE	NO. HOL	ES P	ERFOR	ATION STATE	JS .
(A) FERRON		3,6	663	4.	162	3,6	63	4,1	62	3,669	4	.028	0.56	492		7	Squeezed	<del>1</del>
(B)		<u> </u>						<u> </u>							Open	=	Squeezed [	一
(C)		<b>†</b>													Open	=	Squeezed	┭
(D)													-		Open	=	Squeezed [	╡
28. ACID, FRACTUI	RE, TREATME	NT, CEME	NT SQU	EEZE, ET	c.	<u> </u>												<del></del>
DEPTH	INTERVAL			***.		•	<del></del>		AM	OUNT AND T	YPE OF MA	TERIAL			*****		<del></del>	
3669-3771 (	MULTI IN	NTS)	SLIC	CKWA	TER B	ORA	TE FR	AC w/	29,27	4 # OF 2	20/40 V	/HITE	& 59,9	941#	OF 16/3	O WI	HITE	
3798-3907 (			-							6 # OF 2								
3934-4028 (	MULTI IN	NTS)	SLIC	KWA	TER B	ORAT	E FRA	AC w/	31,04	) # OF 2	20/40 W	/HITE	& 62,4	86 # 0	OF 16/3	0 WF	IITE	
29. ENCLOSED AT	TACHMENTS:												-				STATUS:	<del></del>
ELECT	RICAL/MECHA	ANICAL LO	GS					GEOLOGI	C REPOR		DST REPO			TIONAL S		S	HUT I	N
SUNDF	RY NOTICE FO	OR PLUGG	ING AND	CEMENT	VERIFICA	ATION	(	CORE AN	ALYSIS		OTHER: C	OMP	RPTS	/PERI	<u>-s</u>	J.		•

### 31. INITIAL PRODUCTION INTERVAL A (As shown in item #26) DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: TEST PRODUCTION OIL - BBL: GAS - MCF WATER - BBL: PROD. METHOD: RATES: CHOKE SIZE: TBG. PRESS. CSG. PRESS. API GRAVITY BTU ~ GAS GAS/OIL RATIO 24 HR PRODUCTION OIL - BBL: GAS - MCF WATER - BRI INTERVAL STATUS: RATES: INTERVAL B (As shown in item #26) DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: TEST PRODUCTION OIL -- BBL: GAS - MCF: WATER - BBL: PROD. METHOD: RATES: CHOKE SIZE: TBG. PRESS CSG. PRESS. API GRAVITY BTU - GAS GAS/OIL RATIO 24 HR PRODUCTION OIL -- BBI GAS -- MCF: WATER - BBL: INTERVAL STATUS: RATES: INTERVAL C (As shown in item #26) DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: TEST PRODUCTION OIL - BBL: GAS - MCF WATER - BBL: PROD. METHOD:

BTU – GAS GAS/OIL RATIO 24 HR PRODUCTION OIL – BBL: GAS – MCF: WATER – BBL: INTERVAL STATUS:

INTERVAL D (As shown in item #26) DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: TEST PRODUCTION OIL - BBL: GAS - MCF: WATER - BBL: PROD. METHOD: RATES: CHOKE SIZE: CSG. PRESS. API GRAVITY TBG. PRESS. BTU - GAS GAS/OIL RATIO 24 HR PRODUCTION OIL - BBL: GAS - MCF: WATER - BBL: INTERVAL STATUS: RATES:

RATES:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

CSG, PRESS

### 33. SUMMARY OF POROUS ZONES (Include Aquifers):

TBG. PRESS.

CHOKE SIZE:

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

API GRAVITY

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
FERRON	3,663	4,162	SANDSTONES AND COALS	Lower Bluegate Bentonite Mkr Upper Ferron Marine SS Ferron SS Ferron Basal Marine Tununk Shale	3,580 3,663 3,719 4,021 4,162

35. ADDITIONAL REMARKS (Include plugging procedure)

PLEASE SEE ATTACHMENT FOR COMPLETE PERF. INTERVALS, UNABLE TO FIT ALL INTERVALS ON THIS FORM.

NAME (PLEASE PRINT) BARRY BRUMWELL, C.E.T.

TITLE VICE PRESIDENT of OPERATIONS

SIGNATURE

BurmQQ

This report must be submitted within 30 days of

- completing or plugging a new well
- · drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- · reentering a previously plugged and abandoned well

DATE

11/5/2012

- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\*\*ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<sup>\*</sup> ITEM 20: Show the number of completions if production is measured separately from two or more formations.

## To Whom It May Concern;

The well GORDON CREEK SW-7-14-8 was											
perforated and stimulated with the following											
	intervals:										
	3669 - 3673										
	3684 - 3687	FRACTURE STIMULATED									
	3726 - 3728	WITH A SLICKWATER									
STAGE #3	3736 - 3740	BORATE FRAC with									
STAGE #5	3746 - 3748	29,274 # OF 20/40									
	3756 - 3760	WHITE SAND and 59,941									
	3762 - 3764	# OF 16/30 WHITE SAND.									
	3767 - 3771										
	3798 - 3800										
	3804 - 3806										
	3812 - 3814	]									
	3817 - 3819	FRACTURE STIMULATED									
	3823 - 3826	WITH A SLICKWATER									
STAGE #2	3836 - 3838	BORATE FRAC with									
377102 112	3841 - 3843	39,846 # OF 20/40									
	3855 - 3859	WHITE SAND and 70,853									
	3871 - 3873	# OF 16/30 WHITE SAND.									
	3886 - 3888										
	3894 - 3901										
	3905 - 3907										
	3934 - 3938	FRACTURE STIMULATED									
	3958 - 3960	WITH A SLICKWATER									
	3965 - 3967	BORATE FRAC with									
Stage #1	3984 - 3990	31,040 # OF 20/40									
	4006 - 4010	WHITE SAND and 62,486									
	4017 - 4020	# OF 16/30 WHITE SAND.									
	4024 - 4028										
IT WA	S NOT POSSIBL	E TO FIT ALL OF THIS									
	INFORMATION										
IIVI OMVIATION ON FORIVI 6.											

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and the second	

	ERBIRD		Well	Comple	etion/Wo	rkover	Report	
Well Name:	RGY GC	RDON CR	EEK SW-7-1			days Date:		22 2012
Objective:					BHP/RODS	Day #:	September	22, 2012
	11CMP013			Prev. Cost:	\$13,665		nulative Cost:	\$45,855
Zones of Int		Name:		RON	Perf Int.'s	-	MULTIPLE	<b>4.0,000</b>
		Name:			Perf Int.'s			
	_	Name:	-		Perf Int.'s			· · · · · · · · · · · · · · · · · · ·
Casing:	<u>Size</u>	<u>Weight</u>	Grade	Landed @	Rod String:	No. of	Size	Type
Surface:	8 5/8"	24	J-55	906'	]			
Production:	5 1/2"	17	N-80	4233.46'	]			
Inter/Liner:	0	0	0					
Tubing:	<u>Size</u>	<u>Weight</u>	Landed @	PSN Depth				
#1			,		Pump Descr	ription:		
#2		<u> </u>		<u> </u>	[			
Depths:	TD:	4275						
Elevations:	KB:	7542.3			KB-GL:		API #:	4300750242
AM Pressur		Tubing:	N/A	Casing:	0	SCV:	0	
24 Hour Sur								
Operation at								
Time					ys Operation		Daily Cost	
7:00					personnel on		<u>Item</u>	<u>Amount</u>
7:15					ment on location		RFR - tank rent	\$280
40.00					ed on each of		RNI - water haul	\$4,680
13:00					with lubricato		RMWS - perfing	\$6,800
					ind perforate t		HOWA - Potash	\$17,145
					984'-3990', 39		Seaboard - BOP	\$785
				ram cnarges	s(0.56" EH) loa	aded @	Seaboard - BOP	\$2,500
15:00	6 shots/ft or				*			·····
15:00	Rig out and	release will	eline unit					
	NAPODS ~	ontinuo to c	pot frac equi	nmont				
	INABORS C	oritinae to s	pot nac equi	pment				
	Weir/Seaho	ard inetall 1	0.000 pei Er	ac BOPs on	0/21/2012			
	I Vicin/Ocabo	ara matan 1	0,000 psi i i	ac bor 3 on	3/2 1/2012			
							1	
	l							
	J							
*							Daily Cost:	\$32,190
							Personnel On Lo	
							Rig:	43
							Services:	7
							G.C.L.L.C.:	2
							Total:	52
Fluid Recor	d:	Oil	Water	AM Weathe	er & Roads:	Contact In		
Hauled in				Weather:		Supervisor:	) STINSON / J	OHN SPENS
Total Fluid :				Temp:		Cell #:	435-630	)-6344
Fluid Pumpe				Lease:		Alt #:	C	
Left to Reco	ver			Roads:		Report to:	Barry Brumwell - C	algary Head Ofc.
Fluid Hauled O				Rig Co:		Email to:	bbrumwell@thund	erbirdenergy.com
Load Left to Re	cover:			Rig #:		1		

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THUND	•		Well	Comple	etion/Wo	rkover	Report	
Well Name:		RDON CRI	EEK SW-7-1	4-8	To	days Date:	September	25 2012
Objective:				, RUN TBG,	BHP/RODS	Day #:	<u> </u>	
, -	11CMP013							\$0
Zones of Int		Name:	FER	RON	Perf Int.'s	- Juliu	Multiple	
		Name:			Perf Int.'s		- Indiapio	-
		Name:			Perf Int.'s			
Casing:	Size	Weight	Grade	Landed @	Rod String:	No. of	Size	<u>Type</u>
	8 5/8"		J-55	906'		101 01	<u> </u>	<del></del>
	5 1/2"		N-80	4233.46'				
Inter/Liner:	0		0					
Tubing:	Size	Weight	Landed @	PSN Depth				
#1					Pump Descr	iption:		
#2					•	•		
Depths:	TD:	4275	PBTD:	4187.55				
Elevations:	KB:	7542.3	GL:		KB-GL:	13.00	API#:	4300750242
AM Pressure		Tubing:		Casing:		SCV:		
24 Hour Sur								
Operation at				1917 1				
Time		etailed Des	cription of	Previous Da	ys Operation	s	Daily Cost	Summary
					erday and this		Item	Amount
			to 82° F las		<b>, .</b>		<u>itom</u>	7 arroarre
6:00			travel to loca					-
7:00					to rig in wire	line equip.		
				and perf gun				-
8:00			L personnel					-
8:20					6651 psi afte	r 10 mins		-
8:40				np Stage #1				
8:50					si @ 73 bpm	(refer to		
					, 5 min SIP - \			
					ACED BY 10			
9:20	Shut well in	and rig up I	RMWS eline	unit. MU, R	IH and perfora	ate the		
ľ					86'-3888', 38'			-
	3855'-3859'	, 3841'-3843	3', 3836'-383	8', 3823'-382	26', 3817'-381	9',		
	3812'-3814'	, 3804'-3806	6' & 3798'-38	300'. ALL SH	IOTS FIRED	in 2 RUNS		
				it Flow Thru	WR Plug and	set plug		
	at 3925' CO							
12:00				or off to side				
					osi @ 30 bpm			
					, 5 min SIP - 3			
					33 psi/ft frac g			
12:55					S eline unit. I			
					3771', 3762'-3		Daily Cost:	\$0
					28', 3684'-368		Personnel On Lo	cation:
					RUNS. MU &		Rig:	
					790' COE.PO	OH, set.	Services:	
15:00	Rig OUT eli		release RM\				G.C.L.L.C.:	
				nuation of Da			Total:	
Fluid Recor	<u>d:</u>	<u>Oil</u>	Water	AM Weathe	r & Roads:	Contact In		
Hauled in				Weather:		•	) STINSON / J	
Total Fluid :				Temp:		Cell #:	435-630	
Fluid Pumpe				Lease:		Alt #:	0	
Left to Reco			<u> </u>	Roads:		Report to:	Barry Brumwell - C	
Fluid Hauled Ou				Rig Co:		Email to:	bbrumwell@thunde	erbirdenergy.com
Load Left to Re	cover:		i	Rig #:		1		

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INEDP	"

	RGY		Well	Comple	etion/Wo	rkover	Report	
Well Name:		RDON CRI	EEK SW-7-1	4-8	To	days Date:	September	25, 2012
Objective:				I, RUN TBG,	BHP/RODS	Day #:		
	11CMP013	Daily Cost:	\$165,365	Prev. Cost:	\$45,855	Cumr	nulative Cost:	\$211,220
Zones of Int	erest:	Name:	FER	RON	Perf Int.'s		Multiple	
		Name:			Perf Int.'s			
		Name:			Perf Int.'s			
Casing:	Size	Weight	<u>Grade</u>		Rod String:	No. of	<u>Size</u>	Type
Surface:	8 5/8"		J-55	906'				
Production: Inter/Liner:	0	0	N-80 0	4233.46'	-			
Tubing:	Size	Weight	Landed @		ł			
#1	<u> </u>	<u>vveignit</u>	Landed (W	FSN Deptil	Pump Desci	intion:		
#2			-		rump besci	ipuon.		
Depths:	TD:	4275	PBTD:	4187.55	<u>.                                    </u>			
Elevations:	KB:	7542.3				13.00	API#:	4300750242
AM Pressur		Tubing:		Casing:		SCV:		4000700242
24 Hour Sur				<u> </u>	····	<u> </u>		
Operation at								-
Time		etailed Des	cription of	Previous Da	ys Operation	ns	Daily Cost	Summary
-					7		Item	Amount
15:15	Commence	with Stage	#3 Frac - bro	oke at 1434 i	osi @ 6.8 bpm	refer to	RFR - tank rent	\$280
j					i, 10 min SIP -		Nabors - Frac	\$155,000
	0.624 psi/ft						RMWS - perfing	\$6,800
15:40	Rig out all fr	ac equipme	ent and begir	n moving it to	SE-B-7-14-8	-		
							Seaboard - BOP	\$785
							Seaboard - BOP	\$2,500
ł	ļ							
	1							
								<del></del>
								-
]	]							
i.								
							Daily Cost:	\$165,365
							Personnel On Lo	cation:
							Rig:	
							Services:	
1	l						G.C.L.L.C.:	
	<u> </u>						Total:	
Fluid Recor	d:	Oil	Water		er & Roads:	Contact In		
Hauled in				Weather:	_	1 '	) STINSON / JO	
Total Fluid :				Temp:		Cell #:	435-630	
Fluid Pumpe				Lease:		Alt #:	0	
Left to Reco				Roads:		Report to:	Barry Brumwell - C	
Fluid Hauled Ou			_	Rig Co:		Email to:	bbrumwell@thunde	rbirdenergy.com
Load Left to Re	cover:		<u> </u>	Rig #:		<u> </u>		

			G	ordo	n Cred	ek, L	LC.	
	ERBIRD		Well	Comple	etion/Wo	rkover	Report	
Well Name:		RDON CRI	EEK SW-7-1	4-8	Toe	days Date:	October	23, 2012
Objective:	PERF/FRA	C 3 STAGE	S FERRON	, RUN TBG,	BHP/RODS	Day #:	The state of the s	3
	11CMP013	Daily Cost:	\$3,815	Prev. Cost:	\$211,220	Cumr	nulative Cost	\$215,035
Zones of Int	terest:	Name:	FER	RON	Perf Int.'s		Multiple	
		Name:			Perf Int.'s			
		Name:			Perf Int.'s			
Casing:	<u>Size</u>	Weight	<u>Grade</u>		Rod String:	No. of	<u>Size</u>	<u>Type</u>
Surface:	8 5/8"		J-55	906'				
Production:			N-80	4233.46'	<u> </u>			
Inter/Liner:	0	0	0					
Tubing:	<u>Size</u>	<u>Weight</u>	Landed @	PSN Depth			l	
#1 #2					Pump Descri	ption:		
	<u></u>	4075	DDTD:	4407.55				
Depths: Elevations:	TD: KB:	4275			L/D CI	42.00	ADI#	1000770011
		7542.3	GL:		KB-GL:		API #:	4300750242
AM Pressur		Tubing:		Casing:		SCV:		
24 Hour Sur								
Operation at Time		stailed Dec	animalan of	Drovieus De	0		D-11- 0	
					ys Operations			Summary
15:30					spot in & Rig i in rig BOP's, sl		<u>Item</u>	Amount
18:00	•	•	•		row of tubing.		SWS	\$1,000
19:00	Return to Pr		casing valve	S & lally lop	low of tubing.	SUFIN	Neilsons Prof WS	\$1,575
13.00	retain to 11	100						\$840
							Benoit Serv	\$400
								<del> </del>
								<del></del>
							<b> </b>	<del> </del>
	1						<del>                                     </del>	<del> </del>
								<del>                                     </del>
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	Į.							<del> </del>
								<del> </del>
	1						<b> </b>	<del>                                     </del>
	Į.							<u> </u>
	i							
								<del> </del>
							Daily Cost:	\$3,81
							Personnel On L	<del></del>
							Rig:	1
							Services:	<del>                                     </del>
							G.C.L.L.C.:	<del>                                     </del>
	]						Total:	<del> </del>

AM Weather & Roads:

Weather:

Temp:

Lease:

Roads:

Rig Co:

Rig#:

Contact Information:

Cell #:

Report to:

Email to:

Alt#:

Supervisor:) STINSON / JOHN SPENS

435-630-6344

Barry Brumwell - Calgary Head Ofc.

bbrumwell@thunderbirdenergy.com

Fluid Record:

Hauled in

Total Fluid :

Fluid Pumped In:

Load Left to Recover:

Left to Recover

Fluid Hauled Out

Oil

Water

### Gordon Creek, LLC. THUNDERBIRD **Well Completion/Workover Report GORDON CREEK SW-7-14-8** Well Name: **Todays Date:** October 24, 2012 Objective: PERF/FRAC 3 STAGES FERRON, RUN TBG, BHP/RODS Day #: AFE #: 11CMP013 Daily Cost: \$11,425 Prev. Cost: \$215,035 **Cummulative Cost:** \$226,460 Zones of Interest: **FERRON** Name: Perf Int.'s Multiple Name: Perf Int.'s Name: Perf Int.'s Casing: Size Weight Grade Landed @ Rod String: No. of Size Type 8 5/8" Surface: 24 J-55 906' Production: 5 1/2" 17 N-80 4233.46 Inter/Liner: 0 0 Tubing: Landed @ PSN Depth Size Weight #1 **Pump Description:** #2 Depths: TD: 4275 PBTD: 4187.55 Elevations: KB: 7542.3 7529.3 GL: KB-GL: 13.00 API#: 4300750242 AM Pressures: Tubing: Casing: SCV: 24 Hour Summary: Operation at 0800 Hours: Time **Detailed Description of Previous Days Operations Daily Cost Summary** 8:00 Travel from Price to location Item Amount 9:00 Repair hydraulic hose on rig's BOP's \$1,000 sws 10:00 PU and MU Benoit sand pump: check valve, 2nd check valve, 20 its Professional WS \$6,000 of 2 3/8" tubing, sand pump, bailer, check valve, 12 its of 2 3/8" tubing, Benoit \$4,425 drain sub & 85 joints of 2 3/8" tubing. RIH and tag sand & bailed down to 3784', formation began giving up sand. Worked bailer for 30 mins & bailed down & latch R.B.P @ 3788'. Rig to and POOH, dump sand from tubing and lay down all sand pump components. Clean up tools and rig floor. There were 2 stands of tubing full of sand above bailer and the bailer was locked with sand. Clean out bailer and MU and RIH with Benoit sand pump: check valve, 2nd check valve, 24 jts 2 3/8" tubing, sand pump, bailer, check valve, 6 jts of 2 3/8" tubing, drain sub & 76 joints of 2 3/8" tubing. RIH with EOT @ 3488. SWIFN 17:30 18:30 Return to Price Daily Cost: Personnel On Location: Services:

Fluid Record:	Oil	Water	AM Weather & Roads:	Contact Inf	ormation:
Hauled in			Weather:	Supervisor:	STINSON / JOHN SPENS
Total Fluid :			Temp:	Cell #:	435-630-6344
Fluid Pumped In:			Lease:	Alt#:	0
Left to Recover			Roads:	Report to:	Barry Brumwell - Calgary Head Ofc.
Fluid Hauled Out			Rig Co:	Email to:	bbrumwell@thunderbirdenergy.com
Load Left to Recover:			Rig #:		

G.C.L.L.C.: Total:

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ر ا			G	ordo	n Cre	ek, l	LC.	
	ERBIRD		Well	Comple	etion/Wo	rkover	Report	
Well Name:			EEK SW-7-1		To	days Date:	October 2	25, 2012
Objective:	PERF/FRA	C 3 STAGE	ES FERRON	I, RUN TBG,	BHP/RODS	Day #:	5	
	11CMP013			Prev. Cost:	\$226,460	Cumi	mulative Cost:	\$233,34
Zones of Int	terest:	Name:	FER	RON	Perf Int.'s		Multiple	
		Name:			Perf Int.'s			
		Name:			Perf Int.'s			
Casing:	<u>Size</u>	<u>Weight</u>	<u>Grade</u>		Rod String:	No. of	<u>Size</u>	Type
Surface:	8 5/8"		J-55	906'				
Production:			N-80	4233,46'				
Inter/Liner:	0	0	0	0				
Tubing:	<u>Size</u>	<u>Weight</u>	Landed @	PSN Depth				
#1					Pump Desci	iption:		
#2					-			
Depths:	TD:	4275	PBTD:	4187.55				
Elevations:	KB:	7542.3	GL:	7529.3	KB-GL:	13.00	API#:	430075024
AM Pressure	es:	Tubing:		Casing:		SCV:		
24 Hour Sur								
Operation at								
Time		tailed Des	crintian of	Provious Da	ys Operation	<u> </u>	Daily Cost	Summany
6:00	Travel from I			i icvidus Da	ys operation		Item	
7:00				nel on location	nn.		sws	Amount
7.00					ew down in 35	6000	Professional WS	\$1,00
					34', worked ba			\$3,44
					o4, worked ba P. and start to		Benoit	\$2,44
					n pulling with			
					ner 12 jts, laid			
					lves, R.H and			
					.B.P. and the	slips		
	were bent. (							
i					of tbg, sand p			
					its of 2 3/8" tb			
					POOH and o			
					sand out of all			
16:30			ning off of gr	ound - going	to snow tonig	ht.		
17:30	Return to Pri	ice.						
	l							
ı								
							Daily Cost:	\$6,88
							Personnel On Lo	cation:
							Rig:	
]	J						Services:	
							G.C.L.L.C.:	
							Total:	
Fluid Recor	<u>d</u> .	Oil	Water	AM Weathe	r & Roads:	Contact In	formation:	
Hauled in	<u> </u>	<u> </u>	- valei	Weather:	a i vaus.		:) STINSON / J	THN SDEN
Total Fluid :	-		<del>                                     </del>	Temp:		Supervisor  Cell #:	435-630	
	od In:			<b>-</b> 1 '				
	d Pumped In: Lease: Alt #: 0							
Left to Recov	-		<del>                                     </del>	Roads:		Report to:	Barry Brumwell - C	
Fluid Hauled Ou	-			Rig Co:		Email to:	bbrumwell@thunde	erbiraenergy.com
Load Left to Re	cover:			Rig #:		1		

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Well Name:		GORDON CREEK SW-7-14-8				days Date:	October 2	6, 2012
Objective:	PERF/FRA	C 3 STAGE	S FERRON	, RUN TBG,	BHP/RODS	Day #:	6	-,
AFE #:	11CMP013	Daily Cost:	\$27,000	Prev. Cost:	\$233,345		nulative Cost:	\$260,345
Zones of Int		Name:		RON	Perf Int.'s		Multiple	<u> </u>
		Name:			Perf Int.'s			
		Name:			Perf Int.'s			
Casing:	Size	Weight	Grade	Landed @	Rod String:	No. of	Size	Type
Surface:	8 5/8"	24	J-55	906'				
Production:	5 1/2"	17	N-80	4233.46'				
Inter/Liner:	0	0	0	0				
Tubing:	<u>Size</u>	<u>Weight</u>	Landed @	PSN Depth		,		
#1	2 3/8"	4.7 #	4073.55'	4036.42'	Pump Desci	iption:		
#2					-	•		***************************************
Depths:	TD:	4275	PBTD:	4187.55				
Elevations:	KB:	7542.3	GL:	7529.3	KB-GL:	13.00	API#:	4300750242
AM Pressur	es:	Tubing:		Casing:		SCV:		
24 Hour Sur	nmary:							<del></del>
Operation at					-			
Time		etailed Des	cription of	Previous Da	ys Operation		Daily Cost S	Summary
6:00	Travel to loc				Jo operation		Item	Amount
7:00				nel on locatio	n. SICP = 7;	nsi	sws	\$1,000
	Open valve	and bleed v	vell down in	10 seconds.	0.01	301.	PWS	\$6,000
7:30				ubing string a	as follows:		Tubing + Acces	\$20,000
7.00		2 0.0	production	abing same t	10 10110W3.		Tubing + Acces	Ψ20,000
	<u>кв:</u>			<u>LENGT</u>	<u> DEPTH</u>	KR		
	KB - GND			11.00'	11.00			
	1 - Tubing	Hanger		0.80				
	1 - jt of 2 3		55 FUE TR			.12'		
	1 - 23/8",					.17'		
	1 - 2 3/8", 4					.19'		
	1 - 2 3/8",					.29'		
			J-55, EUE 1					
	1 - API - P		0 00, 202	1.10'	4036.42			
			UF X 4' nerfe	ed Pup Jt 4.0		- 0.32'		
			55, EUE TB					
	1 - 23/8" N			0.70'	4073.5			
	1 20,0 1	TOTOLICA COL	iai	0.70	4075.	55		
10:45	I and tubing	with Tubine	Hanger tig	hten down lo	ock ecrowe		<del></del>	<del></del>
11:00	I		· · · · . · ·	up swabbin				· · · · · · · · · · · · · · · · · · ·
11:30					ched Word d	ocument		<del></del>
17:30					move back to			
19:00	Travel back		ig downing t	o propare to	move back to	base.	Daily Cost:	\$27,000
20:00	Arrive in Pri						Personnel On Loc	
20.00	/ dilve ari	· ·					Rig:	auon:
							Services:	
							G.C.L.L.C.:	
	ſ							<del></del>
Eluid Boson	<u></u>	Oil	Water	ARA Wasadha	n O Doodo	Com44 I	Total:	
Fluid Recor	a:	Oil	Water		r & Roads:	Contact In		NIN ODENO
Hauled in				Weather:		•	) STINSON / JC	
Total Fluid:	.af l			Temp:		Cell #:	435-630	-0344
Fluid Pumpe				Lease:		Alt#:	0	
Left to Reco		- Marie		Roads:		Report to:	Barry Brumwell - Ca	
Fluid Hauled O				Rig Co:		Email to:	bbrumwell@thunde	rbirdenergy.com
Load Left to Re	cover:		l	lRia#:		1		

## **SWAB REPORT**

WELL: SW-7-14-8

DATE: 10-26-2012

RUN	FLUID	PULLED	BBLS	TOTAL	CONSTRUCTO
#	LEVEL	FROM	PULLED	BBLS	COMMENTS
1	1750′	3400'	5.5	5.5	Nasty black water, no sand , no gas
2	1750′	3400'	5.5	11	Nasty black water, no sand , no gas
3	1750′	3400'	5.5	16.5	Black water, trace sand & gas cut @ end of run.
4	1750′	3400'	5.5	22	Grey water, trace of sand, SICP = 1 psi
5	1750′	3500′	6	28	Grey water, trace of sand, SICP = 1 psi
6	1750′	3500′	6	34	Green gel at start, then clear water
7	1800′	3550′	6	40	SICP after swab – 4 psi
8	1800′	3550'	6	46	SICP after swab – 4 psi
9	1800′	3550′	6	52	SICP after swab – 4 psi
10	1800′	3550′	6	58	SICP after swab – 4 psi
11	1800′	3550′	6	64	SICP after swab – 5 psi
12	1800′	3550′	6	70	SICP after swab – 5 psi
13	1800′	3550′	6	76	SICP after swab – 5 psi
14	1800′	3550′	6	82	SICP after swab – 5 psi
15	1800′	3550′	6	88	SICP after swab – 5 psi
16	1800′	3550'	6	94	SICP after swab – 5 psi
17	1800′	3550′	6	100	SICP after swab – 5 psi
18	1800′	3550′	6	106	SICP after swab – 5 psi

Sundry Number: 34979 API Well Number: 43007502420000

	STATE OF UTAH		FORM 9		
	CES NING	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537			
SUNDRY NOTICES AND REPORTS ON WELLS  6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: GORDON CREEK ST SW-7-14-8		
2. NAME OF OPERATOR: GORDON CREEK, LLC			9. API NUMBER: 43007502420000		
3. ADDRESS OF OPERATOR: 1179 E Main #345, Price,	UT, 84501 403 453-16	PHONE NUMBER: 608 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0833 FSL 2011 FWL			COUNTY: CARBON		
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 07 Township: 14.0S Range: 08.0E Merid	lian: S	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
✓ NOTICE OF INTENT	ACIDIZE	ALTER CASING	CASING REPAIR		
Approximate date work will start:  3/2/2013	CHANGE TO PREVIOUS PLANS	✓ CHANGE TUBING	CHANGE WELL NAME		
0/2/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
Report Date.	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show	all pertinent details including dates.	depths, volumes, etc.		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  We are experiencing low efficiency from the 1.5" insert pump installed in this well as the well's fluid level is very high. We plan to move a workover rig onto the well and pull the existing rods and insert pump. We will then pull the 2 3/8" production tubing out of the well and install a new 2 3/8" TUBING PUMP with 2.25" plunger on the bottom of the tubing. We will re-run the 2 3/8" tubing back into the well and land the tubing pump at +/- 3000'. We will then run the 0.75" rods into the well with an on/off connector on the bottom of the rods and latch the rods onto the tubing pump. We will then place the well back on production.  By:  NAME (REASE PRINT)					
NAME (PLEASE PRINT) Barry Brumwell	<b>PHONE NUMB</b> 403 453-1608	TITLE Vice President-Operations			
SIGNATURE N/A		<b>DATE</b> 2/25/2013			



Lieutenant Governor

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER

Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

May 27, 2014

Barry Brumwell Vice President of Operations Thunderbird Energy / Gordon Creek, LLC #800, 555 – 4<sup>th</sup> Avenue S.W. Calgary, Alberta, Canada T2P 3E7 Via FedEx
43 007 50242
Gordon Creek St SW 7-14-8
7 145 8E

Subject: Oil and Gas General Conservation Rule R649-3-36 - Shut-in and Temporarily Abandoned Wells

Dear Mr. Brumwell:

The Division of Oil, Gas and Mining (the "Division") issued Gordon Creek LLC c/o Thunderbird Energy (Gordon Creek) a Shut-in and Temporary Abandonment Notice of Violation (NOV), dated November 12, 2012, for the following seven (7) wells:

Burnside 29-14-8	API	43-007-30725	SI/TA approval - May 1, 2014
Gordon Creek ST 1-30-14-8	API	43-007-31235	SI/TA approval - Feb 1, 2014
Gordon Creek ST 4-18-14-8	API	43-007-30881	SI/TA approval - May 1, 2014
Gordon Creek ST 2-20-14-8	API	43-007-30883	Subsequent Sundry 2/15/2013 For Record Only
Gordon Creek ST 3-20-14-8	API	43-007-31233	SI/TA approval - May 1, 2014
Gordon Creek ST 2-29-14-8	API	43-007-31234	SI/TA approval - Feb 1, 2014
Gordon Creek ST 19-14-8(B)	API	43-007-30807	SI/TA approval - May 1, 2014

In response to the NOV, the Division and Gordon Creek held a December 2012 conference call. Gordon Creek stated they had capital for equipping the field with well-site separators, electrification, pumping equipment and pipelines. Gordon Creek also stated they had capital for drilling additional wells in the field and committed to meeting shut-in well requirements for the above subject wells. Gordon Creek submitted a letter dated December 18, 2012, stating that it conducted casing integrity tests on all of the subject wells between July and September of 2010. Similar tests were also conducted on five (5) of the subject wells in 2011. The integrity tests were submitted to the Division. In addition, Gordon Creek submitted a letter dated December 19, 2012, specifically outlining its 2013 field development plans to electrify parts of the field, recomplete the Gordon Creek ST 4-18-14-18, Gordon Creek ST 3-20-14-8 and Gordon Creek ST 2-29-14-8 wells and drill 20 new additional wells. The Division later granted shut-in and temporary abandonment approvals for six (6) of the seven (7) wells listed above based on submitted sundries meeting shut-in extension requirements and the field plans described in the December 2012 letters with the understanding Gordon Creek would keep the Division updated on field development and any changes to the plans.

If any of the above proposed work was accomplished last year Gordon Creek did not keep the Division informed. We reviewed the Gordon Creek ST 4-18-14-18, Gordon Creek ST 3-20-14-8 and Gordon Creek ST 2-29-14-8 well files and did not find any notices of intent for recompletion or subsequent recompletion sundries for the wells. If work was done on the wells please submit sundries

Page 2 Gordon Creek, LLC May 27, 2014

immediately for the well files. Also, the above extended shut-in approvals required periodic pressure and fluid monitoring to ensure ongoing integrity of the wells. The periodic monitoring should have also been submitted to the Division on individual well sundries for Division review and well files. Shut-in extensions for two of the above wells expired February 1, 2014 and the other four expired May 1, 2014.

As of the date of this letter Gordon Creek currently have seventeen (17) shut-in wells, the above listed seven wells and the following ten (10) new wells:

Gordon Creek ST 1A-18-14-18 Gordon Creek NE-31-13-8 Gordon Creek NE-32-13-8 Gordon Creek SW-32-13-8 Gordon Creek NW-5-14-8 Gordon Creek ST SW-7-14-8 Gordon Creek ST SE-B-7-14-18 Gordon Creek NW-32-13-18 Gordon Creek NW-31-13-8 Gordon Creek SE-32-13-8	API API API API API API API	43-007-30892 43-007-50243 43-007-50245 43-007-50246 43-007-50248 43-007-50255 43-007-50244 43-007-50250 43-007-50247	Last Prod – June 2013 Last Prod – May 2013 Last Prod – March 2013 Last Prod – June 2013 Last Prod – July 2013 Last Prod – May 2013 Last Prod – April 2013 Last Prod – Jan 2014 OPS – Spud Feb 2012 OPS – Spud Jan 2012
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The operator is responsible to file, yearly, for extended shut-in or temporary abandonment for wells shut-in or temporarily abandoned for a period of twelve (12) consecutive months. Gordon Creek must file a Sundry Notice providing the following information for each of the above seventeen listed wells; reasons for shut-in or temporarily abandonment of the well, length of time the well is expected to be shut-in or temporarily abandoned and an explanation and supporting data showing the well has integrity (R649-3-36.1). After review the Division will either approve the continued shut-in or temporarily abandoned status or require remedial action (R649-3-36.2). After five (5) years of non-activity or non-productivity, the well shall be plugged in accordance with R649-3-24, unless approval for extended shut-in time is given by the Division upon a showing of good cause by the operator (R649-3-36.3). Please note, six (6) of the seventeen wells listed above have been shut-in over five (5) years.

Gordon Creek has until June 30, 2014, to submit sundries, for the subject wells, in accordance with Oil and Gas Conservation General Rule 649-3-36 Shut-in and Temporarily Abandoned Wells.

Should Gordon Creek not meet shut-in and temporarily abandoned well requirements, the Division is prepared to file a Notice of Agency Action (NAA) for Commencement of Informal Adjudicative Proceedings (R649-10-3) for this matter in accordance with Oil and Gas Conservation General Rule R649-10 Administrative Procedures.

If you have any questions or need further assistance, please feel free to contact me at <a href="mailto:clintondworshak@utah.gov">clintondworshak@utah.gov</a> or 801-538-5280 or Dustin Doucet, Petroleum Engineer, at <a href="mailto:dustindoucet@utah.gov">dustindoucet@utah.gov</a> or 801-538-5281.

Sincerely,

Clinton & Dorshak Clinton Dworshak

Oil and Gas Compliance Manager

CLD/is

cc: John Rogers, Oil & Gas Associate Director Dustin Doucet, Petroleum Engineer Well Files Compliance File Sundry Number: 61760 API Well Number: 43007502420000

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING  SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill new wills, significantly deepen existing wells below current bottom-hole depth, reenter bugged evalls, or to drill hortzonial laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  1, TYPE OF WELL Gas Well Cas We					
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Barry Brumwell 403 453-1608 Vice President-Operations  SIGNATURE DATE	The purpose of this workover is to shut off excessive water production from the lower Ferron perfs & increase the volume capability of both the BHP & the surface pumping equipment. The existing 228 pumpjack will be decommissioned & removed from the wellsite, then a workover rig with pump & tank will be moved onto the well. The well will be killed with produced water, the rods and insert BHP will be pulled and laid down, the 2.375" tubing will be pulled, inspected & laid down, then a retrievable bridge plug will be set on wireline at 3828'. A new 3.750" tubing pump will then be run on new 2.875" tubing and set at 3774', then new 3/4" rods will be run and latched into the BHP. A used high volume RotoFlex pumpjack will then be installed onto the well and				
SIGNATURE DATE					
N/A 3/23/2015	SIGNATURE		· ·		

ATTORNEYS AT LAW

7440 CREEK ROAD, SUITE 250 SANDY, UTAH 84093 TELEPHONE (801) 566-8446 FACSIMILB (801) 566-8447 www.bweuergylaw.com

CASPER

CHEYENNE

DENVER

SALT LAKE CITY

SANTA FE

BRIAN A. TAYLOR

(801) 676-2307 BTAYLOR @BWENERGYLAW.COM

December 24, 2014

Clinton Dworshak Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 300 Salt Lake City, UT 84116

Dear Clint:

The purpose of this letter is to place in writing the agreement between Gordon Creek Energy, Inc. ("Gordon Creek") and the Utah Division of Oil, Gas and Mining (the "Division"), in order to satisfy the requirements of the August 4, 2014 Division Bonding Order (the "Order") issued by the Division.

At a meeting between Gordon Creek and the Division at the offices of the Division on Wednesday October 29, 2014, the Division and Gordon Creek discussed the various issues associated with Gordon Creek's operations in Utah and the impact the Order has on those operations. As a result of those discussions, it is understood by the Division that Gordon Creek is in the process of obtaining both short term and long term financing to enhance its operations in the State of Utah and that securing this financing is essential for Gordon Creek to acquire the necessary bonding for its wells in the State of Utah. It is anticipated that Gordon Creek will obtain some of this financing in early December 2014. Based on the receipt of those funds, Gordon Creek and the Division agreed to the following terms and conditions to withhold enforcement of the Order:

1. The funds obtained in December of 2014 will be used to re-work Gordon Creeks existing shut-in wells and improve the existing infrastructure of Gordon Creeks operations in the State of Utah. It is anticipated that all re-working activities will be completed by the end of December 2014 for the following wells:

API No.	<u>Well Name</u>
43-007-30881	Gordon Creek 4-18-14-8
43-007-30892	Gordon Creek 1A-18-14-8
43-007-50242	Gordon Creek SW 7-14-8

BEATTY & WOZNIAK, P.C. Buergy in the Law

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API No.

43-007-50243	Gordon Creek NE 31-13-8
43-007-50244	Gordon Creek NW 32-13-8
43-007-50245	Gordon Creek NE 32-13-8
43-007-50246	Gordon Creek SW 32-13-8
43-007-50248	Gordon Creek NW 5-14-8
43-007-50249	Gordon Creek NE 5-14-8
43-007-50255	Gordon Creek SE B 7-14-8

2. Given the winter closure requirements of the Utah Division of Wildlife Resources, from December 1, 2014 until April 15, 2015, and the amount of surface disturbance required to rework the wells, all re-working activities will be completed by June 30, 2015 for the following wells:

**Well Name** 

	17 322 - 18100.3
43-007-30725	<b>Burnside 29-14-8</b>
43-007-30807	Gordon Creek ST 19-14-8(B)
43-007-30883	Gordon Creek ST 2-20-14-8
43-007-31233	Gordon Creek ST 3-20-14-8
43-007-31234	Gordon Creek ST 2-29-14-8

- Gordon Creek will provide Sundry Notices to the Division on the progress of these well and infrastructure activities as required by the Well Workover and Recompletions rule, Utah Admin. Code R649-3-23.
- 4. The Division will not require Gordon Creek to provide bonding for all of its well locations at once, but will allow it to acquire the necessary depth bonding as described in R649-3-1(5.3) to cover the equivalent of four wells at a time at the rate of \$30,000.00 per well.
- 5. The existing \$120,000.00 blanket bond and the future bonding or surety, provided by Gordon Creek, as outlined in Paragraph 7 below, will cover all of the wells listed on Schedule A of the Order as two separate blanket bonds. In the event it becomes necessary to use proceeds from the blanket bonds, the Division will apply the proceeds to any one or more of the wells listed on Schedule A at its discretion. As such, if the plugging of a well, or group of a wells, cost less than the estimated \$30,000.00 as outlined in R649-3-1(5.3), the Division can use the remaining amount to plug and/or reclaim any of the other wells and well sites on Schedule A.

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- 6. The first payment of \$120,000.00 covering the equivalent of four wells will be due and payable by February 27, 2015.
- 7. Gordon Creek will make additional \$120,000.00 payments every three months until all of the existing shut-in wells listed on Schedule A of the Order are fully covered. These additional payments will be due on or before May 29, 2015, August 31, 2015, and November 30, 2015, with a final payment covering any outstanding amounts by February 27, 2016.
- 8. In the event Gordon Creek obtains additional long term financing prior to February 27, 2016, it will pay any remaining amount owed to have depth bonding on all of its wells in the State of Utah within 30 days of the closing date of the additional financing.
- 9. The Division will conduct a surface inspection of the wells listed as "Location Abandoned" on Schedule A of the Order to determine if any reclamation work is needed. In the event no reclamation work is needed, the \$1,500.00 bond requirements listed for those lands will be removed from the total amount owed by Gordon Creek.
- When Gordon Creek has satisfied the requirements for a blanket bond under R649-3-1
   the Division will release all additional bonding required by the Order upon the request of Gordon Creek.

If I have accurately stated our agreement and understanding, please sign below and return to me at your earliest opportunity.

Respectfully,

Brian A. Taylor

Attorney for Gordon Creek Energy

Gordon Creek Energy, Inc.

Rupert Evans

President

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The above correctly sets forth our agreement and understanding

Utah Division of Oil, Gas and Mining

Date: 12/30/14

By: Clinton Dworshak Compliance Manager

BAT: dc 5056.0002 334073 cc: John Rogers, Associate Director Dustin Doucet, Petroleum Bagincer

Douglas J. Crapo, Assistant Attorney General John Robinson Jr., Assistant Attorney General